

Introduction

1

Congratulations on choosing to buy a Tevion® product. By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of Europe's leading manufacturers.

All products brought to you by Tevion® are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 3 Year Warranty.

Please fill in and return the Warranty Card to the address provided.

We hope you will enjoy using your purchase for many years to come.

Overview

2

Front



1. Screen
2. Infra-red sensor: receiving area for infra-red signals from the remote control
3. On/off light: the red light will come on when the device is in stand-by mode. It will turn blue when the device is switched on.
4. Loudspeakers

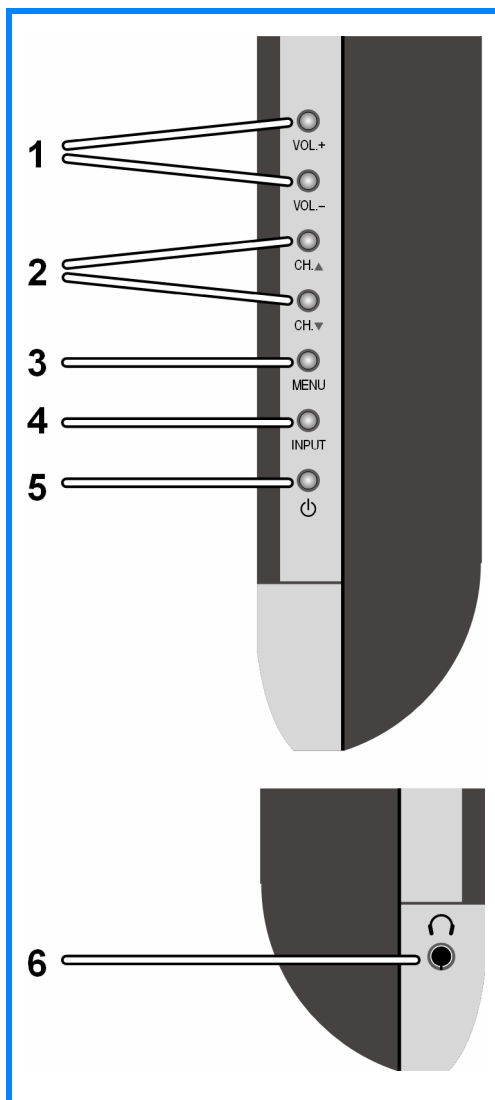
Sides

1. **VOL+/-**: you can regulate the volume of your equipment with these keys.
2. **CH ▲ ▼**: you can switch TV channel using these keys.
3. **MENU**: with this key you can display the screen menu to make adjustments to your equipment.
4. **INPUT**: to select the input signal: **DTV**, **TV** (antennae), **AV**, **S-Video**, **YPbPr**, **SCART**, **HDMI**, **VGA**.
5. **STANDBY**: to switch the LCD-TV off temporarily.

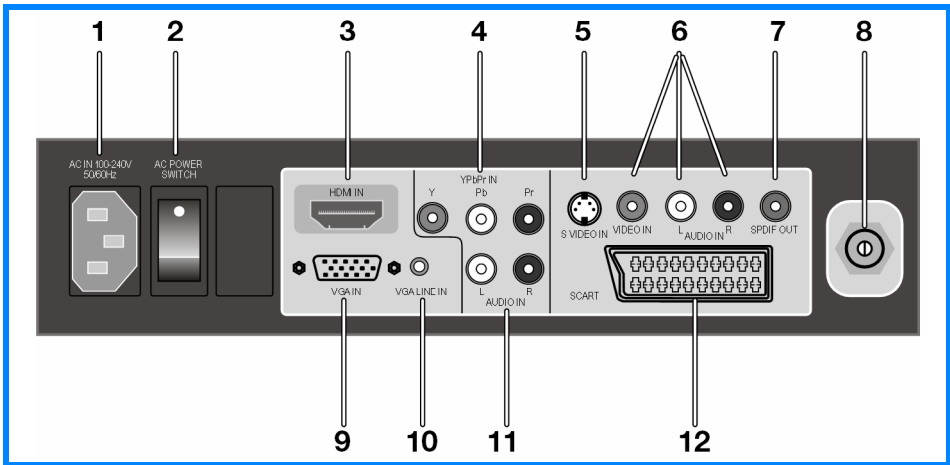
6. Connect headphones or earphones here with a 3.5 mm TRS stereo connector to be able to hear the sound from your device via this connection. The main loudspeaker will turn off.



Using this appliance at full volume for extended periods of time may cause damage to the hearing capacity of the listener.

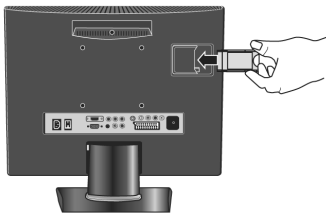


Rear



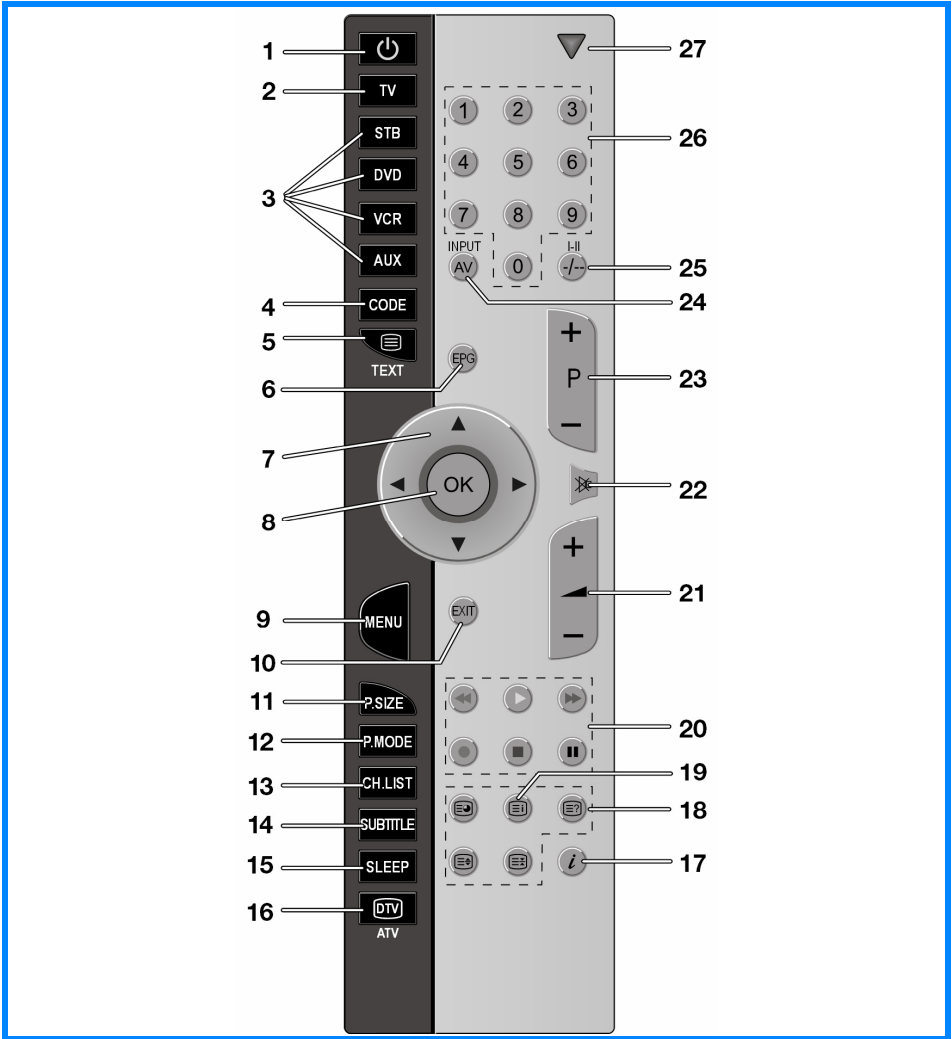
1. **AC IN**: to connect the supplied power cable.
2. **AC POWER SWITCH**: to put the device into stand-by mode and switch it off again.
3. **HDMI IN**: to connect a device with a HDMI output.
4. **Y - Pb – Pr IN**: Component inputs: to connect devices with Component output.
5. **S-VIDEO IN**: to connect a device using an S-VHS cable.
6. **VIDEO IN/L-R AUDIO IN**: VIDEO-input (yellow) and AUDIO-inputs (red/white): to connect a device using an RCA cable.
7. **COAXIAL**: digital audio output (optical) to connect devices with optical audio input.
8. Aerial: connection for co-axial aerial
9. **VGA-INPUT**: to connect a PC.
10. **VGA LINE IN**: to connect an audio cable to the PC.
11. **L – R AUDIO IN**: Audio input: to connect devices with Audio output
12. **SCART**: SCART connection

For a detailed description of the connections, also see 43.






















Common Interface card slot. See page 25.

Remote control



1. (Standby): switch the LCD-TV off temporarily
2. **TV**: operate the LCD-TV MD 30275
3. **STB, DVD, VCR, AUX**: operate other devices (universal remote control function; see page 53)

4. **CODE**: enter the code for other devices (universal remote control function; see page 53)
5.  **TEXT**: switch videotext on, transparent videotext; switch videotext off
6. **EPG**: call up Electronic Programme Guide
7.     : directional keys
8. **OK**: confirm channel selection or selection in certain menus; open channel list
9. **MENU**: open and close menu
10. **EXIT**: close menu.
11. **P.SIZE**: select picture size setting
12. **P.MODE**: select picture mode
13. **CH.LIST**: open channel list (both analogue and digital channels)
14. **SUBTITLE**: display subtitles or subtitle options
15. **SLEEP**: press repeatedly to select a sleep time option
16. **DTV/ATV**: select digital mode (DTV) or analogue mode (ATV)
17. **i** (INFO): to display information, such as current channel number and name
18. Videotext function:
 - : display time; open a sub-page (if available)
 - : call up index page
 - : hidden text
 - : double size
 - : stop page
19. Show list of favourites; create favourites in the menu (see page 30)
20.        :
Coloured keys: confirm a selection when the matching colour is offered (in **Programme Edit** menu and videotext);
 playback functions for playback devices (universal remote control function)
21.  **+/-**: to increase (+) or decrease (-) volume.
22.  (Mute): Switch volume off
23. **P+/-**: Channel selection keys:
 Select the following (+) or the previous (-) channel in TV mode.
 Select the following (+) or the previous (-) page in videotext mode.
24. **-II**: select the sound mode
 -/-: enter channel number with two digits (universal remote control function; see page 53)
25. **INPUT/AV**: select input signal from connected devices
26. Digit keys in the TV mode: channel selection; in videotext mode: page selection
27. blue LED – confirms key press



Read these instructions carefully under all circumstance and follow all the instructions listed. You will guarantee the reliable operation and a long life expectancy of your LCD TV in this way. Always keep these instructions at hand, close to your LCD TV. In the event that you transfer ownership of this LCD TV, please provide these instructions to the new owner.

Purpose of use

- This device serves to receive and transmit television channels. The different connection possibilities will enable an additional expansion of the sources of reception and transmission (Receiver, DVD-Player, DVD-Recorder, Video Recorder etc.).
- This device is only suitable for using in dry, internal rooms.
- This device is not suitable as a data screen for office use.
- This device is intended for personal use only. It not intended for commercial use in a heavy industry environment. Use under extreme environmental conditions can result in damage to your device.

HD ready

Your LCD-TV is equipped with the 'HD ready' feature. This means that it can display high resolution television programmes (HDTV) in principle. It is the prerequisite that an HDTV signal is sent to the LCD TV by an external set-top box (HD-STB).

Included in the box

Check that nothing is missing from the packaging and inform us of any missing parts within 14 days after purchase. The delivery of the LCD-TV you have purchased includes:

1. LCD-TV
2. Connection cable
3. Remote control incl. 2 batteries type R03 (AAA) 1,5V
4. Documentation

General

- Do not allow children to play unattended on electrical equipment. Children may not always correctly recognize danger.
- Keep the packing materials, such as foil away from children. The danger of suffocation could arise in the case of misuse.
- Never open the housing of the TFT display (electric shock, short-circuit and the danger of fire)!
- Do not insert any objects through the slots and openings into the inside of the TFT (electrical shock, short-circuit and the danger of fire)!
- The remote control has a class 1 infrared diode. Do not examine the LED with optical instruments!
- Slots and openings in the TFT display are for ventilation purpose. Do not cover these openings, as otherwise this may lead to overheating (overheating, danger of fire)!
- Never exert pressure on the display. This could damage the display.
- An injury hazard exists when the display breaks. Wear protective gloves to pack the broken parts and send them into your service center for proper disposal. Then wash your hands with soap, because it is possible for chemicals to escape.
- Do not touch the display with your fingers or with sharp objects to avoid damage.
- Please proceed as outlined in the service center section:
 - if the AC cable overheats or is damaged
 - if liquid has gotten into the display
 - if the device does not work properly
 - if the device is dropped or the housing damaged

Point of use

- In the first hours of operation, new devices may emit a typical, unavoidable but completely harmless smell, which will decline increasingly in the course of time.
- We recommend you to ventilate the room regularly, in order to counteract the formation of the smell.
- Keep your LCD TV and all units connected to it away from moisture and avoid dust, heat and direct sunlight. Failure to observe these instructions can lead to malfunctions or damage to the LCD TV.
- Do not operate your device in the open air, because external influences, such as rain, snow, etc. could damage the device.
- Do not subject the device to drops or splashes of water and do not place any vessels filled with water, such as vases, on the device. Water penetrating the device can impair its electrical safety.
- Do not place any open sources of fire (candles or similar objects) on the device.
- Leave sufficiently large clearances to allow for ventilation, particularly when mounting in a cupboard or alcove. Maintain a minimum clearance of 10 cm around the device for sufficient ventilation.
- Place and operate all units on a stable, level and vibration-free surface in order to avoid the LCD TV from falling.
- Avoid dazzle, reflections, extreme light/dark contrast in order to save your eyes and ensure a pleasant viewing experience.
- The optimum viewing distance is 5 times the screen diagonal.

Repair

- Leave all repairs of your LCD TV to authorized and qualified personnel only.
- Should a repair be necessary, please contact one of our authorized service center.

Intended Environment

- The device can be operated at an ambient temperature of between 5 °C to 35 °C and at a relative humidity between 20 % and 85 % (without condensation).
- When switched off, the LCD-TV can be stored most reliably between -20 °C - +60 °C).
- Provide an interval of at least one meter from high-frequency and magnetic sources of interference (television sets, loudspeakers, mobile telephones, etc.) in order to avoid malfunctions.
- After transporting your LCD TV please wait until it has assumed the ambient temperature before connecting and switching it on.
- Large variations in temperature and humidity can cause condensation to occur inside the LCD-TV, which may cause an electrical short circuit.
- Disconnect the power plug from the power socket and the aerial from the aerial connection during storms or if the device is not being used for a long time.

Power Supply



Please pay attention: Parts of the device are still live, even if the mains switch is switched off. Pull the mains plug out of the socket, to interrupt the power supply to your LCD TV completely.

- Operate your TFT display mains (power supply) only on grounded sockets with 230 V ~ 50 Hz. If you have doubts about the power supply in the location where the LCD-TV is installed, consult your energy supplier.
- For additional safety we recommend use of an excessive voltage protection device to protect your LCD TV from damage resulting from voltage surges or lightning.
- The power socket must be in the vicinity of your LCD TV and within reach of the power cables.
- If you use an extension cable, please ensure that it complies with the VDE requirements. If necessary consult your electrical equipment supplier.
- You should lay the TFT Display cables in a manner that no one can trip or step on it.
- To avoid damage of cable do not place any objects or furniture on the cable.

Standards/electro-magnetic compatibility

Your display fulfils the requirements for electro-magnetic compatibility and electrical safety specified in the following standards:

Standards/electro-magnetic compatibility

EN 55013	Limit values and measuring methods for radio interference by radios and television receivers and accessories
EN 55020	Electromagnetic immunity of broadcast receivers and associated equipment
EN 60065	Audio, video and similar electronic apparatus—Safety requirements
EN 61000-3-2	Electromagnetic compatibility (EMC)—Part 3-2:Limits—Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)
EN 61000-3-3	Electromagnetic compatibility (EMC)—Part 3-3:Limits—Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

Batteries and Proper Treatment

Batteries may contain combustible materials. By misuse, this may cause battery leakage, heat, explosion or ignition, bringing about injury or damage to the device.

Please observe strictly the following matters:

- Keep children away from batteries. If by any chance, the batteries are swallowed, consult a doctor immediately.
- Do not charge batteries (except rechargeable batteries).
- Do not forcibly discharge batteries.
- Do not short-circuit batteries.
- Do not heat or dispose off in fire.
- Do not disassemble or deform batteries. Your hands and fingers may be injured, or the liquid of the battery may get into your eyes or adhere to your skin. If this happens, rinse with a large quantity of water immediately and consult a doctor.
- Do not expose batteries to strong impact by dropping or throwing the batteries.
- Do not reverse the positive (+) and negative (-) terminals to avoid short-circuit.
- Do not mix used and new or different types of batteries together.
- Remove promptly the used batteries from the device.
- Remove the batteries from your device if it is not to be used for a longer period.
- Clean the battery and device contacts, if necessary, before inserting batteries.
- Replace all batteries with new batteries of the same type at the same time.

Setting up the LCD-TV

5



NOTE:

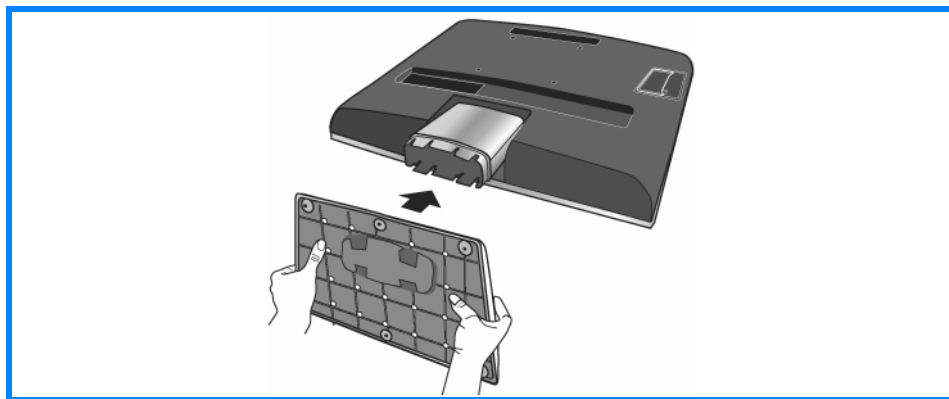
Read the Safety Information Chapter under all circumstances before bringing the device into operation.

Unpacking

1. Have someone help you when unpacking the equipment.
2. Do not carry the equipment alone, otherwise it could fall or cause personal injury.
3. Open the box very carefully to prevent the equipment from being damaged. Damage can occur if a knife with a long blade is used to open the box.
4. There are various small parts in the packaging (batteries, screws, etc.). Keep these out of the reach of children. There is a risk of swallowing the parts.
5. Please keep the packaging material well and use it exclusively to transport the television.

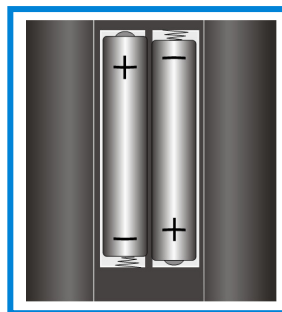
How to install the stand

1. Cover an even stable surface with a soft cloth. Place the LCD TV unit face-down on the cloth. Fit the stand onto the bottom of the LCD TV unit as shown.
2. Then push until stand into the LCD TV's stand socket.



Putting the batteries into the remote control

1. Remove the small cover on the battery compartment on the back of the remote control.
2. Install two AAA size, type R03 batteries according to the correct polarity (marked in the battery compartment).
3. Close the battery compartment.

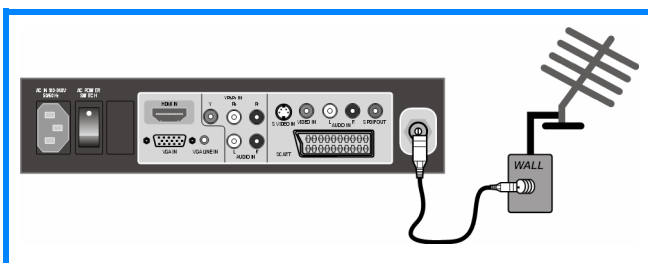


ATTENTION!

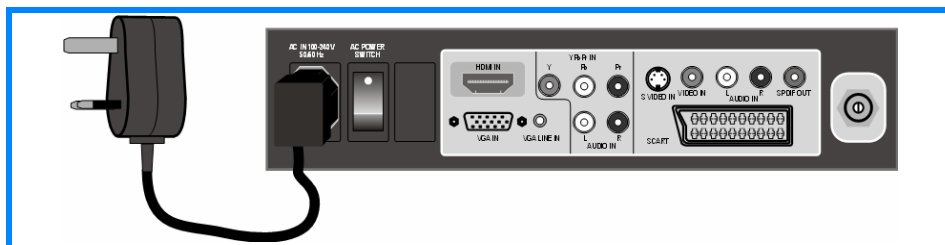
Remove the batteries from the remote if the device will not be used for a longer period. The remote could be damaged by leaking batteries.

Connecting an antenna

Connect the aerial connection and the LCD-TV by means of a double screened aerial cable (not supplied) when connecting the device to the room aerial or cable system.




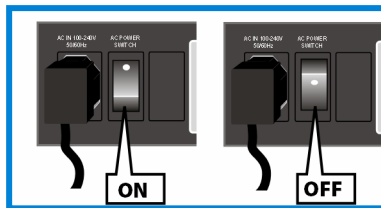
Connecting the power supply



Insert the plug of the supplied power cable into the connecting bush (220-240 V ~ 50 Hz) on the device and insert the other end into an easily accessible 230 V ~ 50 Hz power socket.

Turning the LCD TV on and off

1. Press the on/off switch on the back of the device. The stand-by mode will be activated and a red light on the front will come on.
2. You can switch on the device by pressing  on the remote or on the device itself. The light on the front will turn blue.
3. You can put the device back into stand-by mode with the same keys.
4. Press the on/off switch on the back of the device again to switch the device off completely.




ATTENTION!

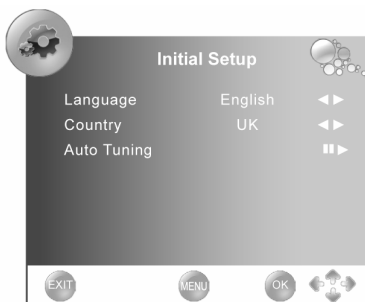
To completely disconnect the main voltage, please remove the power plug from the socket.

First Time Installation

6

 If the universal remote control should seem not to work, press the **TV** key to make sure you operate your LCD-TV MD 30275.

The **Initial Setup** Menu will appear when you switch your device on for the first time. You will be requested to select the language and country required.



You will be able to move upwards or downwards in the Menu by means of the **▲ ▼** directional keys.

Select the language of the OSD with the **◀ ▶** directional keys.

Select the country in which you will operate the TV with the **◀ ▶** directional keys.

Select **Auto Tuning** and press **OK** or the **▶** directional key to start the process.

In the following menu, select **YES** with the **◀ ▶** directional keys and confirm with **OK** to start the channel search and create a list of receivable channels.



Do not press any key during the process. If you want to interrupt the memorization process, press **EXIT**.

Switching between DVBT and analogue reception / Select external device

You will be able to switch between terrestrial digital reception and analogue reception at any time, while a television programme is being displayed, by the **DTV/ATV** key.

Press **INPUT AV** to open the **Input Source Menu** and select a source with the ▼ ▲ directional keys.

- **DTV**: TV function (aerial signal) – digital reception
- **TV**: TV function (aerial signal) – analogue reception
- **Video 1(AV)**: device on yellow/white/red RCA inputs
- **Video 2 (S-Video)**: device on S-Video connection
- **Video 3 (YpbPr)**: device on Component video and audio inputs
- **Video 4 (SCART)**: device on SCART input
- **Video 5 (HDMI)**: device on HDMI input
- **Computer (VGA)**: computer on PC input

Channel Search

You can select a channel by pressing the **CH+/-** key on the remote control or on the device or by selecting the channel directly using a digit key.

Channel list

Open the channel list by pressing the **CH.LIST** key. The digital channels (**DTV**) and the analogue channels (**TV**) will be displayed, no matter in which mode you open the list.

You can select a channel with ▲ ▼ and **OK**.

Press **EXIT** to close the channel list.

Sound Settings

You can increase or decrease the volume with the volume keys **+/-** on the remote control or on the device.

You can switch off the sound completely and switch it on again with the **⊗** key (mute).

You can choose the loudspeakers (left or right) with the **I-II** key. If the current broadcast supports the DUAL mode (e.g. with bilingual broadcasts), you can also choose the. Audio Language.

Picture Settings

With the **P.MODE** key, you can select the picture mode: **Standard**, **Mild**, **User**, **Dynamic**.

The function is identical with the sub-menu **Picture Mode** in the **PICTURE** menu. The setting "User" can be defined in menu; see page 32.

Picture Mode

Press on the **P.SIZE** key to switch between the following picture formats.

Auto

The transmitted format is automatically set to the input signal.

4:3: for undistorted display of the picture in 4:3-format.



- **16:9**: a picture in 16:9-format will be expanded to full screen size.



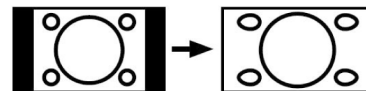
- **Zoom 1**

Enlarged picture

- **Zoom 2**

Twice enlarged picture

- **Panorama**: the picture is stretched on the left and right sides to fill up the screen. In this case the upper and/or lower edges are somewhat cut off.



The function is identical with the sub-menu **Aspect Ratio** in the **PICTURE** menu.

Having information displayed

Press the **i** (INFO) key. The information box will inform you about:

- The channel number
- Analogue or digital reception (TV / DTV)
- The channel name
- In the case of analogue reception (TV): Colour system (e. g. PAL), sound system (e. g. BG), sound setting (stereo, mono)
- In the case of digital reception (DTV): Information about the programme showing.

Press the **i** (INFO) key again to close the information display.

You will obtain the same information when switching to a different programme.

To display the time TV mode, press .

Electronic Programme Guide

In DTV mode (digital reception), the LCD TV offers an electronic programme guide.

Press the **EPG** key to open the programme guide.

You will find a table with tuned in stations on the left side and current programmes on the right side. You can browse through the table with the directional keys ◀ ▶ ▲ ▼ .

To get more Information on one programme, select it and press **i** (INFO).

To highlight the current date, press the **yellow** key. You can now switch to another day's programme.

To close the table, press **EXIT**.

If you press **OK**, you will move back to the station column on the left.



Please note that the contents of the table and of the info boxes depend on the broadcasting stations.

Sleep Timer

Press **SLEEP** repeatedly to select a time after which the LCD TV will turn off automatically: 10, 20, 30, 60, 90, 120, 180 or 240 minutes. In the last minute, a count down menu will appear.

Select **Off** to switch the function off.

The function is identical with the sub-menu **Sleep Timer** in the **TIME** menu.

SUBTITLE

During digital reception (DTV mode), press **SUBTITLE** to open a subtitle menu offering subtitle languages (if available).

The presetting of the subtitle language is set in the sub-menu **Subtitle Language** in the **OPTION** menu.

During analogue reception (ATV), press **SUBTITLE** to show the subtitles to the current programme if available.




Please note that the availability of subtitles depends on the broadcasting stations.


Videotext


Videotext is a free service that is broadcast by the majority of television stations and offers current information in relation to news, the weather, television programmes, share prices, subtitles and other subjects..

Switch videotext on and off

Select a TV station on which videotext is being transmitted.

Press the  key to display the basic/index page of the videotext.

Press the  key again to display videotext transparently (the TV picture is visible in the background).

By pressing the  key again, you will switch over again to TV mode.

Select videotext pages

Number keys

Enter the videotext page required directly as three-digit number with the number keys.


The page number selected will be displayed in the upper left corner of the screen. The videotext counter will search until the page number selected has been found.

Channel selection keys

You can scroll forwards and backwards through the videotext pages with the channel selection keys.

Index key

Page 100 is usually the entrance page for the TV station videotext (index page).

Press the index key  to select the index page that displays the list of Teletext contents.


Colour keys


If text is displayed in colour at the bottom of the screen, you can select the associated content immediately by pressing the matching **red** ◀, **yellow** ▶, **blue** ▶▶ or **green** ■ key.

More functions

Double the size of the page

This function displays the videotext information doubled in size.


Press the  key to enlarge the upper half of the page.

Press the  key again to display the lower half of the page enlarged.

Pressing the  key again will return the videotext to its normal size.


Sub-pages

Some video text pages contain sub-pages. For example, 1/3 will be displayed on the screen. The sub-pages will be faded in successively at intervals of approx. 30 seconds.

You will also be able to call up the sub-pages yourself by pressing the  key. A four-digit entry field, into which you will be able to enter the number of a sub-page (e.g. 0002), will appear. You can scroll through the sub-pages with the directional keys ▶ ▲ .


STOP


The videotext page that you have selected may contain more information than will fit on the screen. In this case the information will be sub-divided across several sub-pages. The sub-pages will be scrolled through with regular pauses in between.

Press the **STOP** key  to prevent pages from changing automatically. The **STOP** symbol will be displayed in the top left corner of the screen and the automatic switching over of pages will be interrupted.

Press the **STOP** key again to resume automatic changing of pages.

Display hidden text

You can display hidden information, such as solutions to riddles, puzzles or quizzes, by pressing the  key once.

If you press the  key again, the answers will be hidden again.

Common interface

9

You will have to register with a corresponding provider in advance if you wish to view channels with a fee.

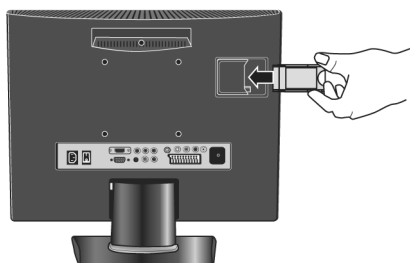
You will receive a Conditional Access Module (CAM Module) and a special card from your provider after the registration.

How to install the CAM Module and the card

Install the CAM Module and the card in your television device in the following way:

Switch the television device off and pull out the mains plug.

First, insert the CAM Module into the socket behind the connection cover on the left of the television device (observed from the front). Then, insert the card.



The CAM Module must be inserted correctly the right way up; it cannot be pushed in the wrong way up. The CAM Module or the television device can be damaged if you attempt to push in the CAM Module with force.

Connect the television device to the power supply, switch it on and wait for a moment, until the card is recognized.



Pay attention to the fact that you must only insert or remove the CI Module if the device is in the STANDBY Mode or is SWITCHED OFF.

To remove the card, simply pull it out of the slot.

The OSD Menu

You can set certain parameters on the LCD-TV using the OSD menu (On Screen Display).

Navigating within the Menu

1. Press the **MENU** key to activate the OSD.
2. Select the a menu from the main menu with the directional keys ◀ ▶ .
3. Select the options from a menu with the directional keys ▲ ▼ .
4. When ◀▶ appears, select an option with the directional keys ◀ ▶ .
5. A sub-menu is available when ||▶ appears. Open it with OK or ▶ .
6. Go back to the menu above with the menu key **MENU**.
7. Set the required value or enter another selection with directional keys ◀ ▶ .
8. Close the menu with the menu key **MENU** or with **EXIT** and confirm the selection at the same time.



The menu will close automatically after approx. 10, 15, 30 or 60 seconds if no key is pressed (setting **OSD Time Out** in menu **OPTION**).



ATTENTION:

The menus described here may vary from the menus on your screen because of possible technical modifications.

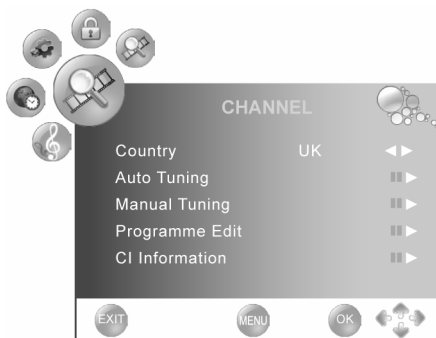
Menu CHANNEL

Under normal circumstances, the automatic channel seek function looks for the available channels and these are automatically stored on the channel locations in the order they are found. You can reorder the channel locations in the channel.

The **CHANNEL** menu allows you to search for individual channels manually and to store them as well as to adjust the picture to the optimum setting.



If the **Lock System** in the **LOCK** menu is set to **On**, you will have to enter the password to enter the menu or its sub-menus.



Menu point

Settings

Country

Select the country in which you will operate the TV with the **◀▶** directional keys.

Auto Tuning

Press **OK** or the **▶** directional key to open a sub-menu.

Select the group of channels you want to find:

DTV: Digital channels;

ATV: Analogue channels;

DTV+ATV: Both channel groups.

Select **Auto Tuning** and press **OK** or **▶**, and confirm **Yes** in the following menu to start the channel search and create a list of receivable channels. The message "All of service-information will be updated" informs you that the channels received so far will be deleted.

In case the **Lock System** is set to **On**, you will also have to enter the password (see page 39).

Menu point	Settings
Manual Tuning	<p>Here you can search channels manually.</p> <p>Open the sub-menu with OK or ►.</p> <p>You will see information about the current channel and at the same time will be able to change the settings. There are two different menus depending on the type of channel you search:</p> <p>TV (analogue) or DTV (digital).</p> <ul style="list-style-type: none"> • See the following sections for the sub-menus TV and DTV.
Programme Edit	<p>Open the channel list in the sub-menu Channel List.</p>
CI Information	<p>Information about the connected Common Interface module (see page 25).</p>

Save video recorder manually

The manual search function can, for example, be used to set a video recorder on the LCD-TV.

Once the LCD-TV and the video recorder are connected via the aerial, you should tune your video recorder to the test signal.

- Perform the manual search action on the LCD-TV.
Once the test signal has been found, store the test signal under one channel number.
- Remember not to store a TV channel on this channel location.

Sub-menu MANUAL TUNING, setting TV

Menu point	Settings
Current CH	The current channel number. You can assign another location to the channel.. Remember that when you save a channel under a different number that location will be written over.
System	<p>The TV system: The country specific TV system (video standard): BG (West Europe), I (Great Britain), L (France) or DK (countries in Eastern Europe).</p> <p>Although this TV system really is a sound system, choosing an incorrect standard can also result in an incorrect picture.</p>
Search	Start a search up or down with the directional keys ◀ ▶ . The search will be interrupted with every programme that is found. .
Fine-Tune	To further adjust the channel frequency.
Store	Store the channel by pressing the OK key. OK will then be displayed.
Frequency	The current MHz value of the channel.

Sub-menu MANUAL TUNING, setting DTV

Menu point	Settings
UHF CH	Select the entry UHF CH with ▼ , then select a channel with ◀ ▶ , then press OK to start the search on the selected channel. DTV will search through the UHF channels 21 to 68 and for terrestrial digital TV channels automatically.
DTV	The number of found stations will be displayed. Bad – Normal – Good : Reception quality..

Sub-menu PROGRAMME EDIT

The list of digital channels (DTV) and analogue channels (TV) currently received. You can edit the list here.

Menu point	Settings
Delete	Press the red key ◀◀ one time to select the channel and a second time to delete it. The following channels will be renumbered.
Rename	Only possible for analogue channels (mode TV). Press the green key ■ to start the renaming process. The first letter of the current channel name will be highlighted. Select a different sign (letter, symbol or number) with the ▲ ▼ keys. Move to the next letter with ▶ and proceed as described. At the end, press the green key again to finish the renaming process.

Menu point

Settings

Move

Press the **yellow key** ► one time to select the channel. Then move the channel to another place with the directional keys ▲ ▼.

Press the yellow key again to finish.


The following channels will be renumbered.

Skip


Press the **blue key** ►► one time to select the channel for being skipped. A "SKIP" sign appears after the channel name.

The channel will be skipped when using the channel keys. However, it can be opened using the digit keys.

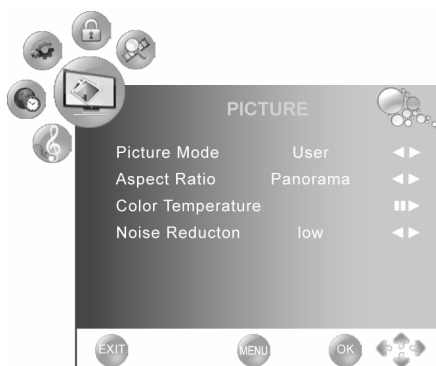
Fav

Create Favourites. Press the  to select a channel for the list of favourite channels. A heart symbol appears after the channel name.

Press the key again to delete the channel from the list.

When this menu is closed, you can open the **Favorite List** by pressing the  key.

Menu PICTURE



Menu point

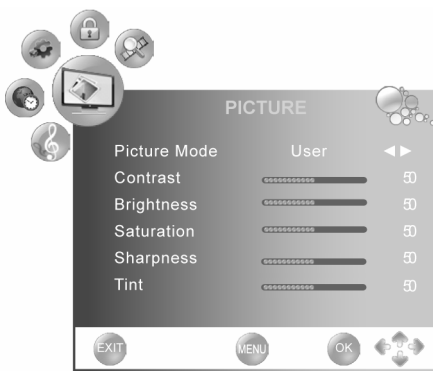
Settings

Picture Mode

Select image mode: **Standard**, **Mild**, **User**, **Dynamic**. This function corresponds to the operation of the **P.MODE** key.

With each selection, you see the settings of **Contrast**, **Brightness**, **Saturation**, **Sharpness** and **Tint**.

With the selection **User**, the settings are at "50" and you can adjust the setting between 0 and 100.



Aspect Ratio

Set the standard zoom here to **Auto**, **4:3**, **16:9**, **Zoom 1**, **Zoom2** or **Panomara** (also see page 20).

Menu point

Settings

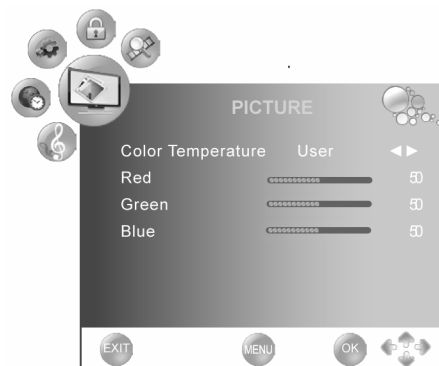
Color Temperature

Open sub-menu **Color Temperature**.

Select hue: **Cool**, **Nature**, **Warm** or **User**.

With each selection, you see the settings of **Red**, **Green** and **Blue**.

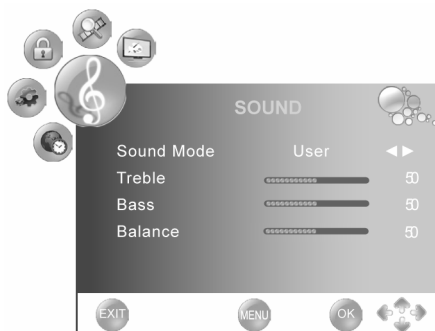
With the selection **User**, the settings are at "50" and you can adjust the setting between 0 and 100.



Noise Reduction

You can reduce noise in the image with this function and improve the image quality if the signal is weak. Select **On** or **Off**.

Menu SOUND



Menu point

Settings

Sound Mode

Select the sound mode: **Standard**, **Music**, **Rock**, **Live**, **Surround** and **User**.

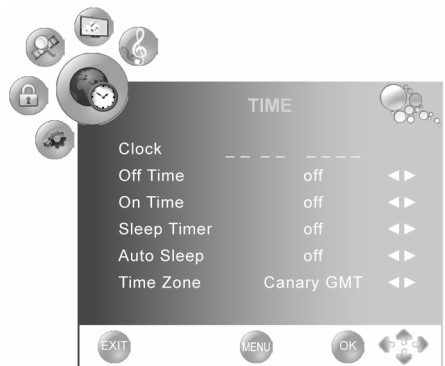
With each selection, you see the settings of **Treble** and **Bass**.

With the selection **User**, the settings are at "50" and you can adjust the setting between 0 and 100.

Balance

Balance between left and right loudspeaker (range L50 – R50).

Menu TIME



Menu point	Settings
Clock	<p>In the sub-menu, you set the Date, Month, Year, Hour and Minute.</p> <p>Confirm Close with OK to save the setting.</p>
Off Time	<p>Select the time at which the device will turn off automatically.</p> <p>In the sub-menu, you can choose the frequency of repetition (Once, Every day, Monday – Friday, Monday – Saturday, Saturday – Sunday, Sunday) or Off to set no Off Time.</p> <p>Then you set the Hour and Minute.</p> <p>Confirm Close with OK to save the setting.</p>

On Time

Select the time at which the device will turn on automatically.

In the sub-menu, you can choose the frequency of repetition (**Once**, **Every day**, **Monday – Friday**, **Monday – Saturday**, **Saturday – Sunday**, **Sunday**) or **Off** to set no On Time.

You also have to select a volume level (standard: 32) and the source.

Confirm **Close** with **OK** to save the setting.

Sleep Timer

Select the time after which the device is automatically turned to standby mode. You can set 10, 20, 30, 60, 90, 120, 180 and 240 minutes. The time for the Sleep Timer will start to run as soon as you have set the sleep time.

Select **Off** to switch off this function.

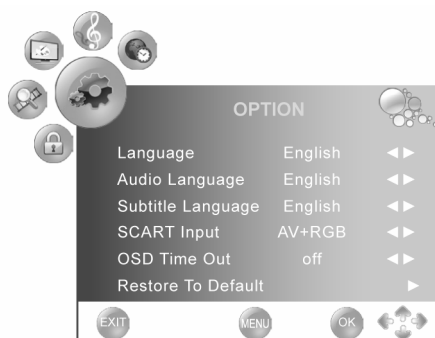
Auto Sleep

With the setting **On**, the TV will automatically turn off in case it receives no signal.

Time Zone

Select the time zone of the region the TV is operated in.

Menu OPTION



Menu point	Settings
Language	Choose the language for the OSD menu. This will change immediately.
Audio Language	Several sound channels in different languages can be transmitted at the same time in the case of terrestrial, digital television channels. You will select which sound channel (which language) should be transmitted with this function, if you have switched to channels that have several audio tracks.
Subtitle Language	Subtitles for those with damaged hearing can be faded onto the screen in the case of many terrestrial, digital television channels. You will select the required subtitle language and activate the automatic display of subtitles with this function, provided that they are transmitted.
SCART Input	Select the SCART signal input: AV+RGB or SV+RGB . If the connected device supports the superior S-Video mode, select SV+RGB . If the connected device only supports the standard Fbas mode, select AV+RGB .

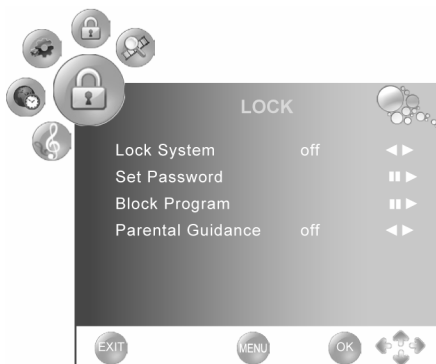
OSD Time Out

Here you can set the time after which the OSD menu will automatically close: 15, 30 or 60 seconds. **Off**: The menu will not close automatically. Close it with **MENU**.


Restore To Default

Restores factory settings.
Exception: The password.

Menu LOCK



To access the menu, you have to enter the password. The factory password is: 0000. This can be changed (see below “**Set Password**”).

Menu point	Settings
Lock System	Functions like a new programme search can now only be carried out after entering the password.
Set Password	<p>A dialogue window will open when you select this point. Enter a four-digit password with the digit keys of the remote control and repeat this password in the line Confirm. The password will be valid immediately.</p> <p> Please note that the new password will NOT change back to the factory password when a reset to factory settings is carried out. Therefore make sure to note down the password.</p>
Block Programme	<p>Press OK to open the channel list. Select a channel which you want to block with the directional keys ▲ ▼. Press the green key (“LOCK”) to confirm. A lock symbol will appear behind the blocked programme.</p> <p>Now the channel can only be viewed after entering the password.</p> <p>To unlock the channel, open the menu Block</p>

Programme again and press the **yellow key** once more. The lock symbols disappears.

**Parental
Guidance**

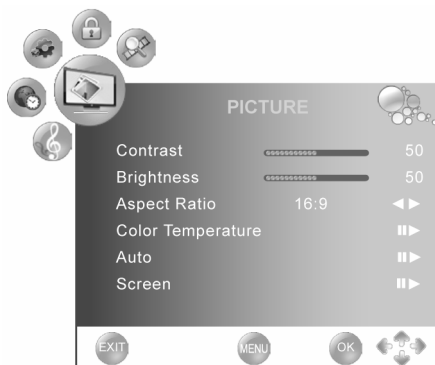
You will be able to change the age here (4 to 18).

Programmes which are classified for a certain age group will only be shown if the age is below the selected age. If, e. g., you want to block movies graded „12“, select „12“ or higher.

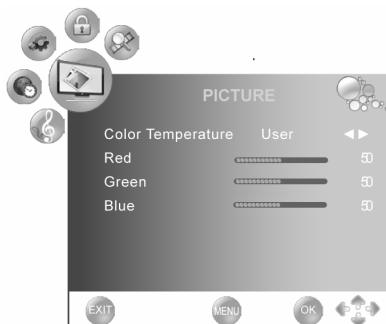
Please note that this function depends on the signal being sent from the broadcasting stations. With most Free-to-Air-Programmes, the age classifications are not sent.

Menu in PC mode

The OSD menu has the following option in PC mode:



Menu point	Settings
Contrast	Adjust the contrast between 0 and 100.
Brightness	Adjust the brightness between 0 and 100.
Aspect Ratio	Set the standard zoom here to, 4:3 or 16:9 .
Color Temperatur	Open sub-menu Color Temperature .



Select hue: **Cool**, **Nature**, **Warm** or **User**.

With each selection, you see the settings of **Red**, **Green** and **Blue**.

With the selection **User**, the settings are at "50" and you can adjust the setting between 0 and 100.

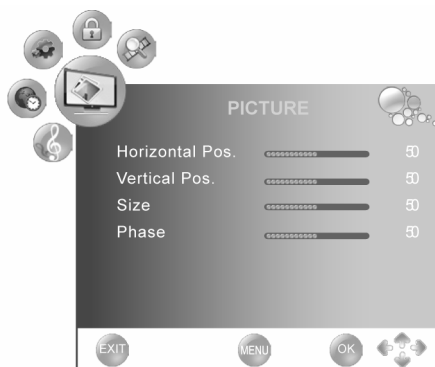
Auto

If the picture has shifted, you can select **Auto** (Autoposition) and press **OK** to move it back to the middle of the screen. This function has to be performed with a full picture, otherwise the settings will not match..

Screen

Open sub-menu **Screen**.

Sub-menu SCREEN



Menu point

Settings

Horizontal Pos.

Here you can change the horizontal position of the picture with the use of ◀ ▶ .

Vertical Pos.

Here you can change the vertical position of the picture with the use of ◀ ▶ .

Size

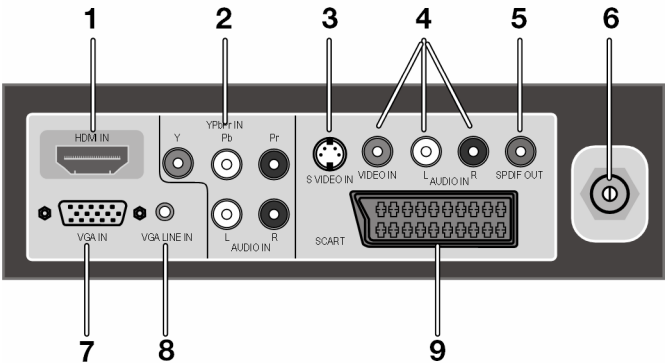
Controls the width of the picture based on the VGA mode.




Phase







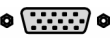

If the PC picture does not display clearly, you can align the picture signal here with the pixels on the LCD-TV with the use of ◀ ▶ . This makes the picture sharper and more even.


Connections and Examples of Connections

The connections are on the rear of the device.



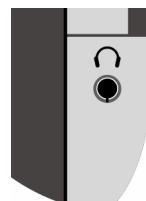
Connection	Name of source (INPUT key)	Examples of connections
<p>1</p>  <p>HDMI</p>	<p>VIDEO 5 (HDMI)</p>	Digital connection: to connect an device with an HDMI output. For this you need an HDMI cable.
<p>2</p>  <p>YPbPR</p>	<p>VIDEO 3 (YPbPr)</p>	Component inputs to connect devices to Component output, such as camcorders, DVD players, decoders (e.g. satellite receivers), etc. You will need a green/blue/red Component cable for this connection for the video link.
 <p>AUDIO IN L-R</p>		AUDIO input L - R (left - right): to connect the audio line of devices connected to the Component inputs. You will need a red/white RCA cable for the audio link

Connection	Name of source (INPUT key)	Examples of connections
3  <small>S VIDEO IN</small> S-VIDEO IN	VIDEO 2 (S-Video)	S-VIDEO input to connect a device to an S-VIDEO output (e. g. camcorder). You will need an S-Video cable for this connection.
4  <small>VIDEO IN</small>  <small>L AUDIO IN</small>  <small>R</small> VIDEO IN; AUDIO IN L – R	VIDEO 1 (AV)	VIDEO input (yellow): Connect devices such as camcorders, DVD players, decoders (e.g. satellite receivers), etc. AUDIO inputs L-R (red/white): Connect the left and right audio channels of the source here, if you want to reproduce the sound through the LCD-TV (e.g. camcorder). You will need RCA cables for these connections.
5  <small>S/PDIF OUT</small> COAXIAL		Digital audio output socket (optical): for the connection of an amplifier or a receiver with a digital input socket. Use a suitable optical cable for this.
6 	TV, DTV	Aerial Socket: connection for co-axial aerial
7  <small>VGA IN</small> VGA IN	Computer (VGA)	VGA connection. Connect your PC or notebook here. For this you need a VGA cable.
8  <small>VGA LINE IN</small> VGA LINE IN		Audio connection to the PC connected at the VGA input. Use an audio cable to connect the PC's audio output jacks to the LCD TV's

Connection	Name of source (INPUT key)	Examples of connections
9  SCART	VIDEO 4 (SCART)	<p>SCART input to connect devices such as video recorders, DVD players, games consoles, decoders (e.g. satellite receivers), etc.</p> <p>You will need a SCART cable for this connection.</p>

Headphones

Connect the headphones to the headphone connection at the side of the LCD TV. The main loudspeakers will turn off when the headphones are connected. Regulate the volume level of the headphones by means of the volume keys.



WARNING!

In the first instance set the volume to a value at the lowest end of the scale before you put on the headphones. Then select a comfortable volume. Excessive volume can damage your hearing

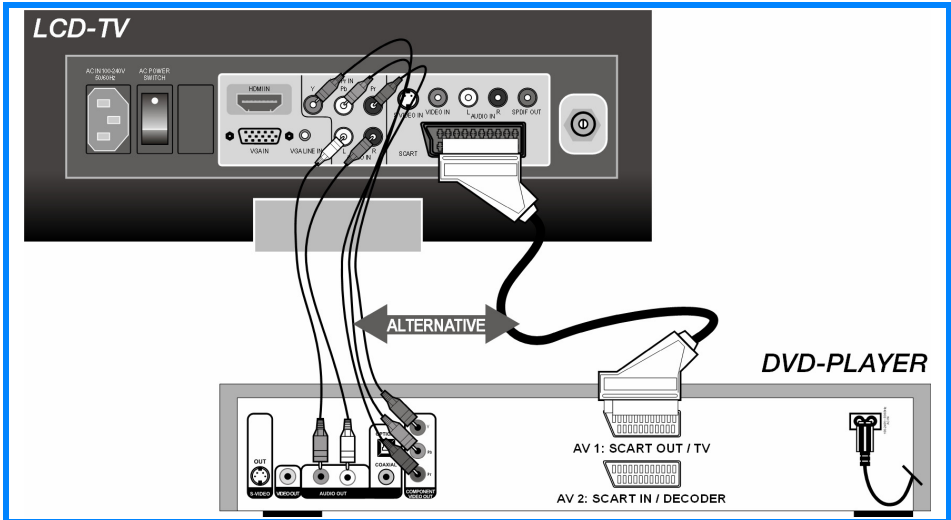


Using this appliance at full volume for extended periods of time may cause damage to the hearing capacity of the listener.

DVD player

Connect a DVD player with a SCART cable to the **SCART** connection.

If the DVD player has YUV outputs (Y Pb Pr), it is advisable to connect these using a Component cables (green/blue/red RCA) to the **Y-Pb-Pr** and **L-R** Component inputs on the LCD-TV.



Instead of the SCART cable or the Component cables you can also use RCA cables:

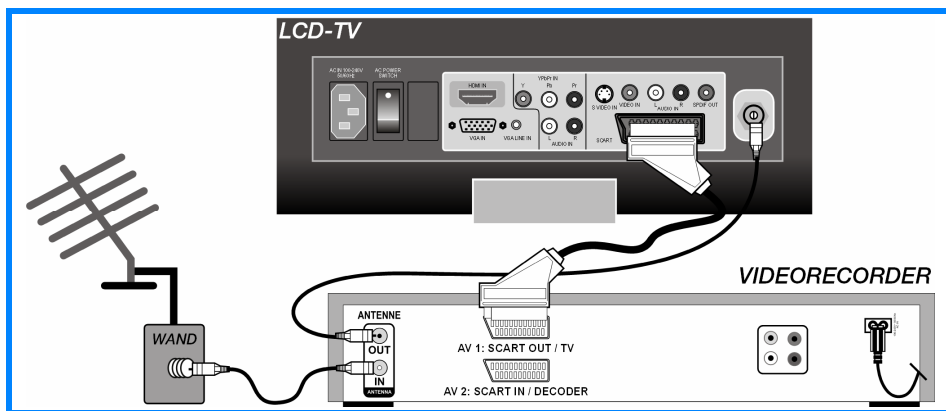
- Connect (red-white) audio RCA cables to the audio inputs on the LCD-TV and the audio outputs on the external device.
- Connect a (yellow) video RCA cable to the video input on the LCD-TV and the audio output on the external device.
- Instead of using a video RCA cable you can also connect an S-Video video cable to the S-Video input on the LCD-TV and the S-Video output on the external device.

Video recorder

Connect an aerial cable to the aerial socket of the LCD TV and the aerial output of the video recorder, if you want to connect a video recorder to the LCD TV. Connect another aerial cable to the aerial input of the video recorder and the aerial socket on the wall.

In addition, you can connect an LCD-TV and a video recorder with each other using a SCART cable.

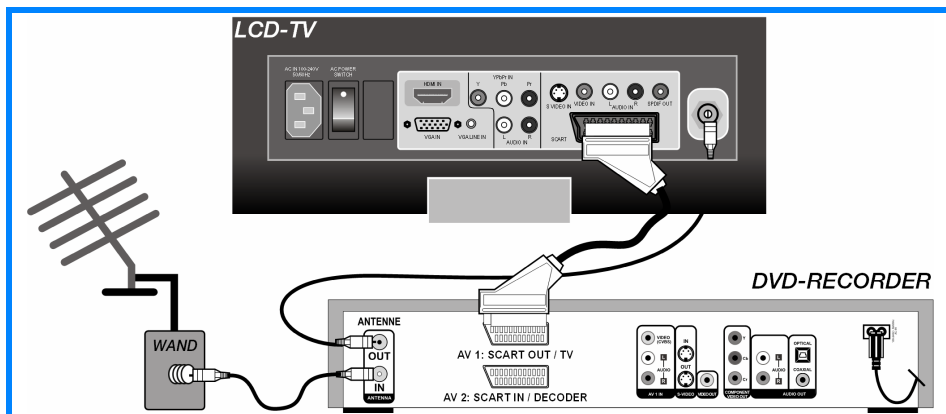
If you want to transmit stereo sound you will need a SCART connection.



DVD recorder

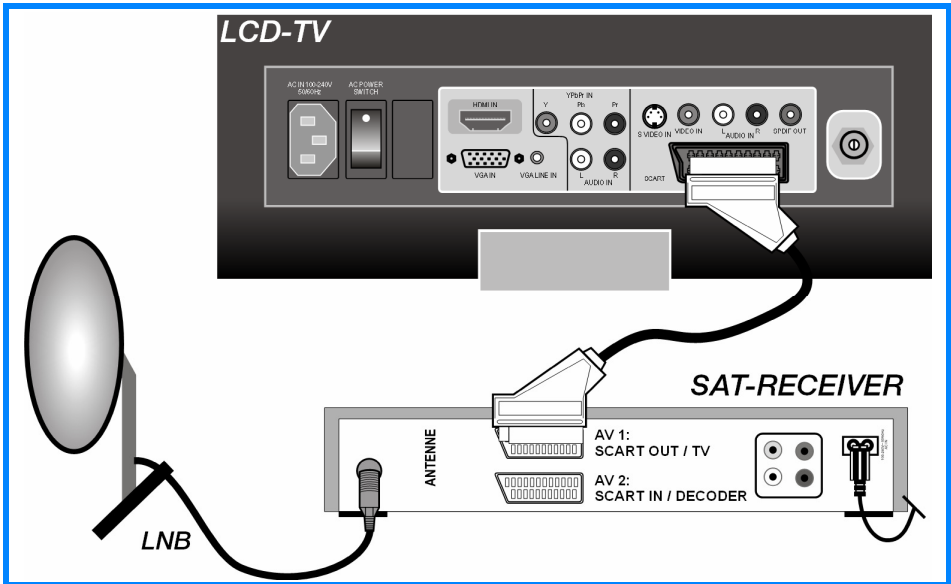
You can connect a DVD recorder to the SCART connection on the LCD-TV using a SCART cable.

In addition, connect the aerial cable in the manner described in the "Video Recorder" section (see above.)



Receiver (SAT, DVB-T, decoder, etc.)

Connect a device that is intended to be used as a receiver for the LCD TV (e. g. SAT receiver, DVB-T receiver, decoder, set-top box) or a DVD recorder to the SCART socket, with a SCART cable.

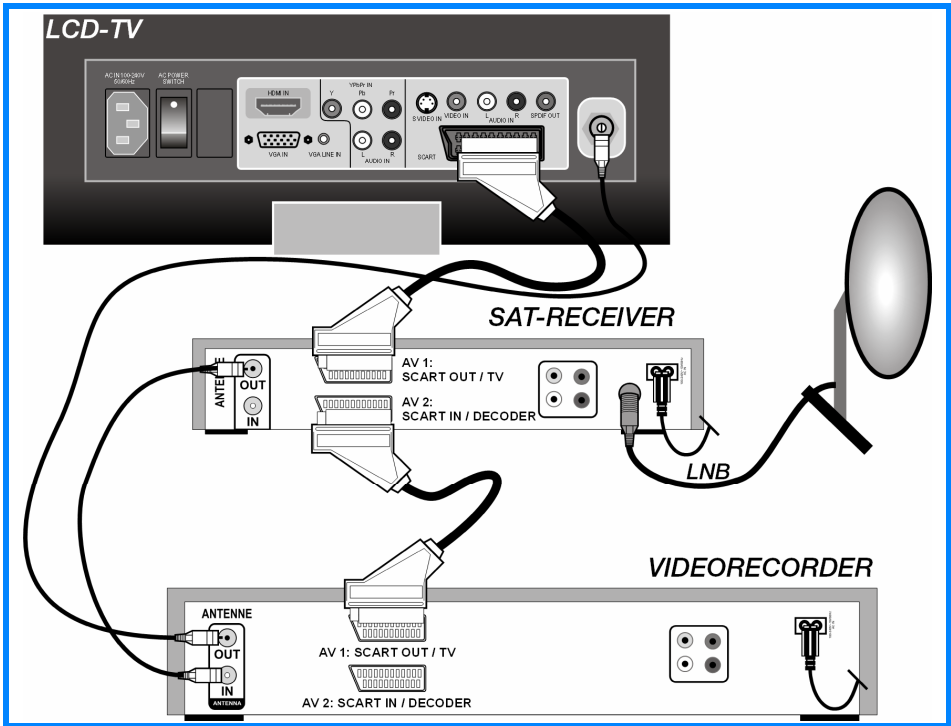


Instead of the SCART cable you can also use RCA cables:

- Connect (red-white) audio RCA cables to the audio inputs on the LCD-TV and the audio outputs on the external device.
- Connect a (yellow) video RCA cable to the video input on the LCD-TV and the audio output on the external device.
- Instead of using a video RCA cable you can also connect an S-Video video cable to the S-Video input on the LCD-TV and the S-Video output on the external device.

DVD or video recorder and SAT-receiver

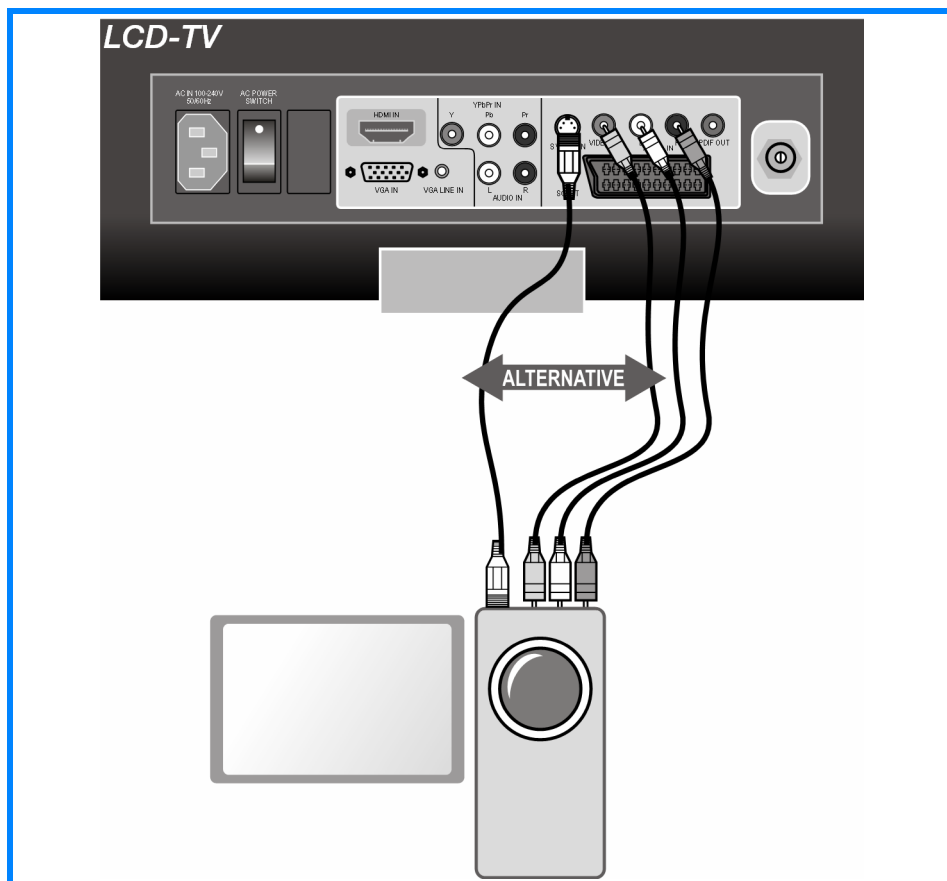
If you want to connect a DVD or video recorder and a satellite receiver at the same time, you can use the following connection method:



Camcorder

You can reproduce the sound and pictures of a camcorder on your LCD-TV by connecting the camcorder to the AUDIO-IN connections and the VIDEO-IN connection on the LCD-TV.

Apart from using a (yellow) video RCA cable you can also connect an S-Video video cable to the S-Video input on the LCD-TV and the S-Video output on the camcorder.



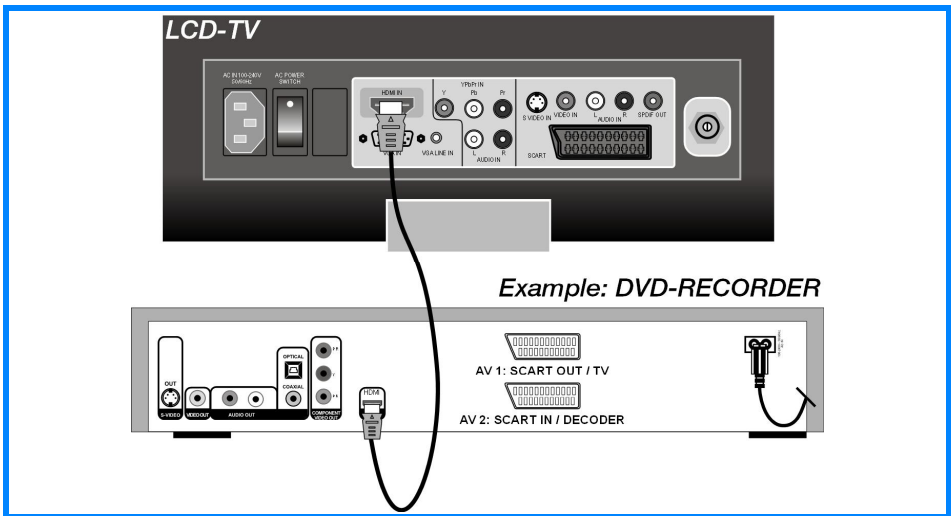
Device with HDMI or DVI output

HDMI ("High Definition Multimedia Interface") is the only interface in the entertainment electronics sector with which one can transmit audio and video data digitally at the same time. HDMI can process all picture and sound systems known at this time, including HDTV (High Definition Television), so that it can reproduce a resolution of 1080 i without loss of quality.

Many devices from the entertainment electronics sector, such as DVD players, are equipped these days with HDMI or DVI outputs.

External device with HDMI output

1. Connect an HDMI cable (not supplied) to the HDMI input on the LCD-TV and the HDMI output on the external device.
2. Once you have connected the HDMI device, then switch on the LCD-TV.
3. Then switch on the external HDMI reproduction device.



External device with DVI output

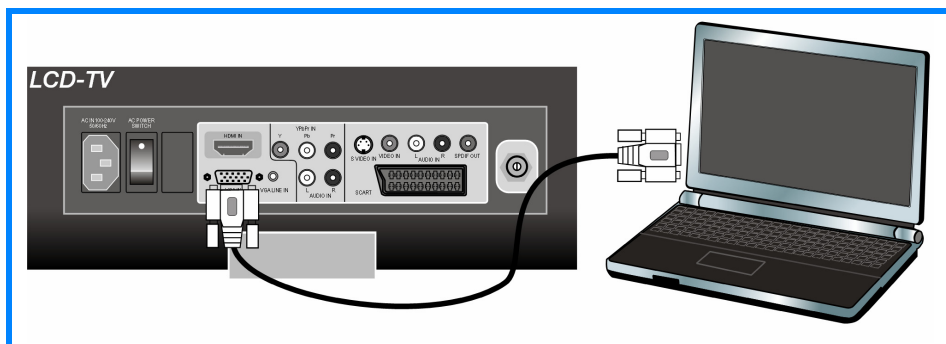
If the external device has a DVI output, you can also connect it to the HDMI input (HDMI is backwards compatible with DVI - "Digital Visual Interface"). For this you need an HDMI-to-DVI adapter.

Given that no sound can be transmitted via the DVI output, you also need to connect an audio cable with a TRS stereo connector.

If you want to reproduce the sound through the LCD-TV, connect audio RCA cables (red-white) to the component audio inputs (position 2 on page 43) on the LCD-TV.

PC

The LCD-TV can be connected as a screen or additional monitor to your PC or notebook. The image on your PC or notebook will then be displayed on the LCD-TV.



Connect the LCD-TV as follows:

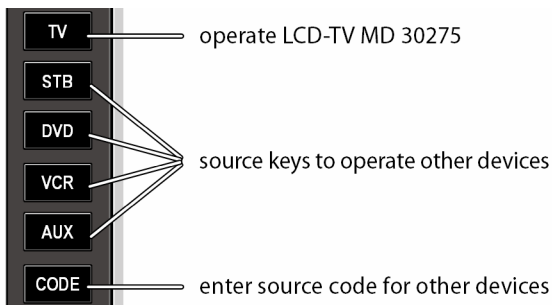
1. Switch off both devices.
2. Connect a VGA cable (screen cable; not supplied) to the VGA input on the LCD-TV and to the output for the video card on the PC or the notebook.
3. Tighten the screws on the screen cable with your fingers so that the plug makes a good connection.
4. If you also want sound, connect an audio cable to the connection **VGA LINE IN**.
5. Switch on the LCD-TV first.
6. Only then switch on the PC or notebook.
7. Press the **INPUT** key on the remote control in order to select **Computer (VGA)**. The PC image will appear on the LCD-TV. You can return to TV mode with the **TV** key.

If you use the LCD-TV as a second screen with your PC, then it may sometimes be necessary to adjust the screen settings in the operating system. You will find further information about matters you need to pay attention to when using more than one screen in the user manual for your PC or notebook.

Safety advises

- Do not attempt to repair the remote control yourself.
- The universal remote control has a class 1 infrared diode. Do not examine the laser with optical instruments!
- Do not subject your remote control to dust, strong sunlight, moisture, high temperatures or strong vibrations.
- Do not use any corrosive or aggressive cleaning products.

URC-related keys on the remote control



Use

This universal remote can operate the following types of device:

TV LCD-TV MD 30275

STB/DVD/VCR/AUX Other devices, such as satellite receiver, DVD player or DVD recorder, videorecorder, amplifier, pay-TV-decoder. The labels on the source keys only serve clarity.

Programming the device code

General



Please note down the codes which you used for the programming. This helps to programme the URC again in case the code got lost after changing the batteries.

You cannot programme the URC in the TV mode.

You will have to programme a four-digit device on the source keys (**STB, DVD, VCR, AUX**) for each device that you wish to operate with the universal remote. The labels on the keys only serve as an aid here. You can assign any key to any device, with exception of the TV key which can only be assigned to a TV.

VCR's: The code search for VCR's must be done while a tape is inserted.

Pre-programming

The remote control has been pre-programmed for several devices produced by Medion. Because of this you can use certain basic functions for Medion devices directly and without having to programme in the device code.

Entering a device code according to the code list

The codes of the respective devices must be taken from the code list accompanying these instructions for use. Proceed as follows:

1. Switch the relevant device on manually.
2. Briefly press the desired source key (**STB, DVD, VCR, AUX**).
3. Hold the **CODE** key pressed down for approx. 3 seconds, until the blue LED remains permanently lit.
4. Enter the four-digit code from the code list.

The blue LED will go out briefly to confirm each press of a key.

The blue LED will go out after the last digit has been entered, if the code entry was valid. The blue LED will flash for three seconds before going out, if an invalid code was entered.

If the device does not respond as expected, repeat the programming, or try a different code. Please try all the codes specified for your brand. Select the code that causes all the available commands of your remote control to respond correctly.

If this is not successful either, then try using the search method described in the chapter "Automatic Search"..

Manual code search

Carry out a manual search as follows:

1. Switch the relevant device on manually.
2. Briefly press the desired source key (**STB, DVD, VCR, AUX**).
3. Hold the **CODE** key pressed down for approx. 3 seconds, until the blue LED remains permanently lit.
4. Press the **⏻**, **P+** or **P-** key successively several times (up to 350 times), until the device that is intended to be controlled changes the channel or reacts accordingly. The code search will start at the currently stored four-digit number.
5. Press **OK** briefly in order to store the code.

Up to 350 different codes are pre-programmed per device type, because of the extensive number of different code numbers. It is possible in individual cases that only the most common main functions are available. The mode of procedure described cannot lead to success in the case of some special device models.

Automatic code search


If your device does not respond to the remote control even though you have tried all of the codes listed for your device type and the relevant brand, then try using the automatic search. This will enable you to find codes for brands that were not listed in the device Code List.

1. Switch the relevant device on manually.
2. Briefly press the desired source key (**STB, DVD, VCR, AUX**).
3. Hold the **CODE** key pressed down for approx. 3 seconds, until the blue LED remains permanently lit.
4. Point the remote at the device and press the **P/CH+** key once briefly. Press **⏻** key, instead of **P/CH+**, if the device has no programme function. The remote will start the code search after 6 seconds and will transmit all the codes successively at intervals of a second (see also the next section). The blue LED will flash up for each transmission.
5. As soon as the device responds to the remote control, press **OK**. – If you missed pressing **OK** in time, you can go back in steps to the code which the device responded by using the **P/CH-** key.

Press **EXIT** to cancel the search.

1 second or 3 second intervals

If you want the remote control to transmit a new code every 3 seconds instead of every second, proceed as follows::

1. Press **P/CH+** (or ) twice. The remote control will now only transmit a new code every 3 seconds. This gives you more time, but the procedure will also take longer.

Code searching by brand name

This function offers you the option of searching by brand name. You can find the brand name in the Code List under "Code Search by Brand Name". This is done as follows:

1. Switch the relevant device on manually.
2. Briefly press the desired source key (**STB, DVD, VCR, AUX**).
3. Hold the **CODE** key pressed down for approx. 3 seconds, until the blue LED remains permanently lit.

Enter the one-digit code according to the following list in the attached Code List. Some brands are:

Key 1 Medion, Tevion

Key 2 Philips

Key 3 Sony, Panasonic, Sharp



Key 4 Thomson

Key 5 Telefunken, Saba

Key 6 Grundig, Blaupunkt

Key 7 Nokia

Key 0 All brands

4. Continue pressing the **P/CH+** key (or for video recorders  or **PLAY** ), until the device responds accordingly. Proceed quickly otherwise the automatic code search will start.
5. Save the code by pressing **OK**.

The blue LED will flash for approx. 3 seconds when all codes have been searched through.

Code identification

Code identification gives you the opportunity to determine codes that have already been entered and stored in the remote control.. Proceed as follows:

1. Switch the relevant device on manually.
2. Briefly press the desired source key (**STB, DVD, VCR, AUX**).
3. Hold the **CODE** key pressed down for approx. 3 seconds, until the blue LED remains permanently lit.
4. Press the **CODE** key briefly again. The blue LED will flash again.

5. To find the first number, press the number keys from 0 to 9. If the source key extinguishes briefly, then it is the first stored number.
6. To determine the second number, press the number keys again from 0 to 9. Repeat the procedure for the third number.
7. The source key will extinguish as soon as the button for the third number has been pressed.

Code identification has now been completed.

Normal operation

Operating individual devices

After you have finished programming your remote control for your audio/video devices, the remote control will work in the common main functions just like the original remote control of the respective device.

Point your remote control at the desired device and press the relevant source key. The key will light up briefly but will not remain lit.

Activate the functions by pressing the corresponding function key of your universal remote control. The source key will light up briefly each time the key is pressed.



Please note:


- In certain circumstances, not every function of your original remote control may be directly available on the universal remote control.
- Especially for newer devices, it might be possible that the functions are stored to different keys than expected or may not even be available at all.

Special functions

All off function

You can switch off all the pre-programmed devices at the same time. Proceed as follows:

- Press the  key briefly once. Immediately press the  key again and keep it pressed down for 3 seconds. Now all pre-programmed devices will be switched off consecutively.

Some devices can be switched on and off with the  key. Devices switched off in such a way will be switched back on after carrying out the ALL OFF function

EPG – Electronic Programme Guide

The **EPG** key (EPG = Electronic Programme Guide) has various functions, depending on which code has been used:

For TV and satellite codes (e.g. SAT-TV or DVB-T) the button calls up the electronic programme guide.

For DVD codes the button opens the title menu.

For VCR codes you can use the button for programming, if your video recorder has a Showview / Videoplus function.

Universal functions (“Punch Through”)

The universal functions (also called “Punch Through” functions) enable you to carry out certain functions on a different device type than the programmed one. These are the volume, mute and playback functions.

- If the remote control is in VCR, DVD, SAT or CBL mode, the volume and mute keys control the TV set (provided the other devices do not have their own volume control);
- if the remote control is in TV mode or in another mode without playback function, the PLAY, STOP, PAUSE, FAST FORWARD/BACK, SKIP keys and perhaps RECORD will actuate a connected video recorder, DVD player or DVD recorder. The last selected device is actuated.

Programming the volume/mute universal functions to another device type

In its delivered state, the universal remote control is programmed in such a way that the volume and mute functions automatically control the TV set if a source key for a device with image transmission (DVD, video recorder) is pressed.

You can programme the universal remote control so that the universal functions volume and mute will actuate another device type than the TV set.

1. Hold the **CODE** key pressed down for approx. 3 seconds, until the blue LED remains permanently lit
2. Press the **MUTE** key.
3. Press a source key for the device to which the volume and mute functions should be transferred to. The light for this source key will remain lit.
4. Press the **MUTE** key. If you accidentally selected a device that does not have its own volume control, the blue LED will flash.

Programming the volume/mute universal functions to a particular device

You can programme the universal remote control in such a way that it will use only that particular device's own volume and mute functions. The universal function for this mode or device type is therefore switched off.

1. Hold the **CODE** key pressed down for approx. 3 seconds, until the blue LED remains permanently lit.
2. Press the **MUTE** key.
3. Press the source key for the device that is only to have its own volume and mute functions.
4. Press the desired volume key. The blue LED remains lit.
5. Press the **MUTE** key, and the blue LED will extinguish.

Restoring the universal volume/mute functions

If you have changed the universal volume and mute functions as described in the previous two sections, you can reset the functions back to the factory settings and thus restore the "Punch Through" effect.

Keep the **CODE** key pressed down for approx. 3 seconds until the blue LED remains permanently lit.

Keep the **MUTE** key pressed down until the blue LED extinguishes briefly.

Press **MUTE** again. The blue LED will extinguish completely. The volume and mute functions are now restored to their factory defaults.

Many times, problems have simple causes. We would like to give you some tips to solve some common problems. Should these tips not help, please call us!

There is no picture or sound.

- Check whether the mains cable has been connected to the socket and the mains adapter correctly.
- Check whether the signal reception has been set to ATV or DTV.
- Check whether the mains switch of the device on the rear of the device has been switched on.

There is no picture. There is no picture from the INPUT SOURCE.

- Make sure the Contrast/Brightness is properly adjusted.
- Make sure all external devices are connected properly.
- Check whether the correct Input Source has been selected (**INPUT/AV** key)..

There is no sound.

- Make sure the volume is not set to minimum.
- Make sure the sound is not set to mute.

There is no picture or sound, just noise.

- The reception may be weak. Make sure the aerial is not disconnected.

The picture is not clear.

- The reception may be weak.
- Make sure the aerial is not disconnected.

The picture is too bright or too dark.

- Check the contrast and brightness settings.

The remote control does not work.

- Press the source key **TV** for operation of your LCD-TV MD 30275.
- Check whether the batteries in the remote are operational and have been inserted correctly.
- Make sure the remote sensor window is not under strong lighting.
- Switch the device off and on again with the mains switch at the rear.

The picture is not sharp.

- The reception may be weak.
- Make sure the aerial is not disconnected.
- Check the sharpness and noise suppression settings in the **PICTURE** menu.

A double or triple image will be displayed.

- Check if the aerial is correctly oriented.
- The signal may be reflected off hills or buildings.

The picture is spotted.

- There may be interference from automobiles, trains, high voltage lines, neon light, etc.
- There may be interference between the antenna cable and power cable. Try moving them further apart.

There are stripes on the screen or colours fade.

- Is the unit receiving interference from other devices?
- Transmission antennas of radio broadcasting station and transmission antennas of amateur radio and cellular phones may also cause interference.
- Place the unit as far apart as possible from device that may cause possible interference.

Some functions in the menu do not work.

- The system lock may have been activated.

Do you require additional Support?

If the suggestions in the above section have not solved your problem, please contact the hotline. We will try and help you over the telephone. However, before you contact your Service Center, please keep the following information available:

- What external devices have been connected?
- What messages appear on your display?
- During which operating step has the problem arisen?
- When a PC has been connected to the device:
 - What is the system configuration?
 - Which software were you using when the problem arose?
- What steps have you already undertaken to solve the problem?
- If you have already been given a customer number, please keep this available.

Specifications

14

Input voltage:	110-240 V ~ 50 Hz
Power consumption:	max 48 W
Power consumption standby:	< 1 W
Visible display size:	15,4 inch (39 cm) TFT; 16:10-display
TV system:	PAL, DK/BG/I, SECAM, L/L'
Tuner:	Aerial, DVB-T
Channels:	VHF/UHF Hyperband CABLE-TV (S1-S20)/(S21-S41)
No. Of channel positions Aerial:	100
No. Of channel positions DVB-T:	200
Antenna interface:	75 Ohm
Audio:	Stereo
Response Time:	8 ms (grey to grey), typ.
Contrast ratio:	400:1 (typ.)
Brightness.	200 cd/m ²
Physical resolution:	1280 x 800
Picture improvement:	via 2D comb filter
Connections:	1 x HDMI with HDCP encoding, 1 x SCART, composite VIDEO (cinch), component YPbPr in (cinch), S-video (mini din), 2 x stereo audio in (cinch), headphone (3.5 mm jack), COAXIAL, VGA (15 pin d-sub), 1 x VGA line in, 1 x CI Slot
Dimensions W x H x D, incl. stand:	385 x 340 x 150 mm
Dimensions W x H x D without stand:	385 x 305 x 60 mm
Weight (incl. stand):	approx. 3,2 kg

Further DVB-T features:

EPG (Electronic Program Guide)

Automatic channel programming

Programme lock via password

Timer



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Subject to technical and optical changes as well as printing errors.

The lifespan of the LCD-TV can be extended by the following means:

1. Before cleaning, always remove the power adapter plug and all connecting cables.
2. Do not use any solvents, corrosive or gaseous cleaning agents.
3. Clean the display with a soft, lint-free cloth.
4. Ensure that no water droplets remain on the screen. Water can cause permanent discoloration.
5. Do not expose the screen to bright sunlight.
6. Please keep the packaging material well and use it exclusively to transport the device.



ATTENTION!

There are no user-serviceable or user-cleanable parts inside the device.

Packaging



Your device is packaged to protect it against damage during transportation. The packaging is manufactured from materials that can be sent to a specialist recycling facility and disposed of in an environmentally-friendly way.

Device



At the end of its life, the appliance must not be disposed of in household rubbish. Enquire about the options for environmentally-friendly disposal.

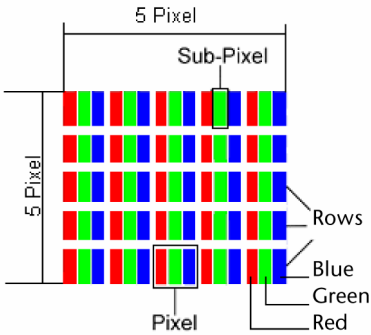
Batteries



Do not dispose of used batteries in the household rubbish! They must be deposited at a collection point for used batteries.

Individual pixels or groups of them can fail in rare cases, in spite of the most up-to-date manufacture, because of the highly complex technology.

Active matrix LCDs (TFT) with a resolution of 1280 x 800 pixel, which are in turn composed of three sub-pixels each (red, green, blue), contain about 3.1 million addressable transistors. Because of this very high number of transistors and their extremely complex production process occasionally defective or incorrectly addressed pixels or sub-pixels may occur.



Description		Accepted Number
Bright sub-pixels	1 sub-pixel	Max. 2
	Two lying next to each other (horizontally/vertically)	0
Distance	Minimum distance between light and dark sub-pixels	Min. 10 mm
Dark sub-pixels	Individual	Max. 4
	Two lying next to each other	Max. 2
Distance	Minium distance between light and dark sub-pixels	Min. 10 mm
Total number of bright and dark sub-pixels		Max. 5

The Table describes the maximum number of pixel faults that are permitted to arise on the screen, without involving a guaran-tee case. Under certain circumstances, a guarantee case will be present if the number of faults given above is exceeded in one category.

Code List

TV

A

ACME	0011							
ADA	0018							
ADC	0006	0007						
ADMIRAL	0019	0108	0002	0001	0047	0000		
ADYSON	0003							
AGAZI	0002							
AGB	0123							
AIKO	0003	0009	0004					
AIWA	0184	0248	0291					
AKAI	0011	0086	0009	0068	0004	0006	0008	0051
	0061	0088	0169	0200	0133	0141	0069	
AKIBA	0011							
AKURA	0169	0074	0002	0009	0011	0071		
ALBA	0028	0027	0009	0011	0003	0068	0083	0169
	0047	0245	0248	0162	0062			
ALBIRAL	0037							
ALKOS	0164							
ALLORGAN	0157	0026						
ALLSTAR	0051							
ALTUS	0042							
AMPLIVISION	0003							
AMSTRAD	0011	0009	0068	0074	0002	0108	0071	0069
	0030	0123	0013					
ANAM	0009	0065	0109					
ANGLO	0009							
ANITECH	0009	0002	0043	0109				
ANSONIC	0009	0014						
ARC EN CIEL	0126	0045	0139					
ARCAM	0003							
ARISTONA	0169	0051						
ARTHUR MARTIN	0158							
ASA	0017	0110	0016	0018	0000	0021		
ASBERG	0051	0043						
ASTRA	0009							
ASUKA	0011	0002	0003					
ATLANTIC	0169	0003	0051	0157				
ATORI	0009							
AUDIOSONIC	0009	0003	0169	0011	0051	0139	0157	0090
	1062							
AUDIOTON	0003							

AUSIND	0043						
AUTOVOX	0003	0002	0101	0157	0000	0125	0043

B

BAIRD	0111	0139	0245					
BANG & OLUFSON	0199	0000						
BARCO	0112							
BASIC LINE	0009	0011	0051	0245				
BASTIDE	0003							
BAUR	0169	0118	0076	0141	0132			
BEKO	0042	0083	0034	1064	0007	0095		
BEON	0169	0051						
BEST	0113							
BESTAR	0051	0245						
BINATONE	0003							
BLACK DIAMOND	0171							
BLACK PANTHER LINE	0245							
BLACK STAR	0129							
BLAUPUNKT	0117	0202	0135	0008	0022	0100		
BLUE SKY	0011							
BLUE STAR	0120							
BONDSTEC	0129							
BOOTS	0003							
BPL	0120							
BRANDT	0127	0045	0022	0036	0126	0139	0046	
BRION VEGA	0051	0169	0000					
BRITANNIA	0003							
BROKSONIC	0920							
BRUNS	0000	0007						
BSR	0131	0026						
BTC	0011							
BUSH	0028	0027	0032	0009	0011	0019	0205	0039
	0051	0068	0169	0107	0115	0131	0139	0167
	0245	0248	0024	0132	0120	0062		

C

CAPSONIC	0002							
CARREFOUR	0027							
CASCADE	0009							
CATHAY	0051	0169						
CENTRUM	0168	0205						
CENTURION	0051	0169						
CENTURY	0000							
CGE	0129	0047	0131	0043				
CIMLINE	0009	0028						
CITY	0009							
CLARIVOX	0169	0037						
CLATRONIC	0009	0011	0051	0002	0083	0003	0129	0030
	0043							

COMBITECH	0248							
CONCORDE	0009							
CONDOR	0198	0051	0083	0003	0245			
CONTEC	0003	0009	0027	0030	0029			
CONTINENTAL EDISON	0022	0111	0036	0045	0126	0139	0046	
COSMEL	0009							
CROSLEY	0129	0131	0000	0043				
CROWN	0009	0169	0083	0047	0051	0245	0121	0043
CS ELECTRONICS	0011	0129	0003					
CTC	0129							
CTC CLATRONIC	0014							
CYBERCOM	0177	0038	0171	0002	0009	0206	0205	0207
	0208	0210	0169	0042	0044	0127	0047	0061
	0063	0067	0068	0103	0107	0115	0154	0168
	0185	0228	0209	0343	0924	0933	0248	0291
CYBERMAXX	0177	0038	0171	0002	0009	0206	0200	0205
	0207	0208	0210	0211	0169	0015	0042	0044
	0047	0048	0049	0061	0063	0067	0068	0087
	0103	0107	0115	0127	0154	0155	0168	0170
	0185	0228	0229	0209	0218	1005	0894	0343
	0924	0933	0248	0291				
CYBERTRON	0011							
CYTRON	0177	0038	0171	0002	0009	0206	0200	0205
	0207	0208	0210	0211	0169	0015	0042	0044
	0047	0048	0049	0061	0063	0067	0068	0087
	0103	0107	0115	0127	0154	0155	0168	0170
	0185	0228	0229	0209	0218	1005	0894	0343
	0924	0933	0248	0291				
D								
DAEWOO	0094	0009	0191	0003	0051	0115	0245	
DAINICHI	0011							
DANSAI	0002	0169	0051					
DANTAX	0171	0161	0169	0088	0034	0113		
DATSURA	0121							
DAYTON	0009							
DAYTRON	0245							
DE GRAAF	0019	0006	0033					
DECCA	0003	0169	0004	0051	0123	0030		
DECCACOLOR	0015							
DCE	0205	0042						
DELL	0025							
DESMET	0051	0169						
DIGITOR	0227	0228						
DISNEY	0148							
DIXI	0009	0169	0051					
DTS	0009							
DUAL	0177	0038	0171	0002	0009	0206	0207	0208
	0169	0042	0044	0127	0047	0061	0063	0067
	0068	0003	0103	0107	0115	0126	0131	0139
	0154	0160	0168	0210	0228	0343	0924	0933
	0248	0291	0125	0089				

DUAL-TEC	0009	0131	0003					
DUMONT	0003	0014	0017	0018	0000			
DURABRAND	0228	1006	1007	1008	1009	0933	1085	1086
	1087	1088						
DUX	0169							
DYNATRON	0051	0169						

E

ELBE	0108	0157	0037					
ELCIT	0000							
ELECTRO TECH	0009							
ELEKTA	0120							
ELIN	0051	0003	0169	0016	0018			
ELITE	0011	0051						
ELMAN	0014	0131						
ELTA	0009							
EMERSON	0141	0127	0000					
ERAE	1003							
ERRES	0169	0051						
ESC	0245							
ETRON	0009							
EURO-FEEL	0002							
EUROLINE	0149	0169	0088					
EUROMANN	0002	0051	0003					
EUROPHON	0003	0051	0051	0131	0123			
EXPERT	0157							

F

FENNER	0009	0115						
FERGUSON	0127	0166	0035	0169	0036	0050	0052	0111
	0163	0037						
FIDELITY	0003	0019	0068	0074	0096			
FINLANDIA	0019	0006	0110	0128				
FINLUX	0061	0087	0063	0003	0004	0016	0167	0110
	0131	0157	0169	0051	0017	0018	0014	0000
	0123	0043	0042					
FIRSTLINE	0003	0129	0009	0051	0062	0026		
FISHER	0006	0003	0018	0083	0131	0000	0027	0029
	0040							
FLINT	0051	0113						
FORMENTI	0001	0169	0003	0131	0133	0000	0043	0125
FORTRESS	0001	0000						
FRONTECH	0019	0002	0009	0068	0118	0129	0120	0021
FUJITSU	0116	0004	0157					
FUNAI	0002	0026						

G

GALAXY	0047	0083						
GBC	0009	0027	0131					

GEC	0169	0003	0004	0041	0051	0141	0123	0132
GELOSO	0019	0009	0131					
GENERAL TECHNIC	0009	0248						
GENEXXA	0011	0051	0021					
GERICOM	1064	0049	1022	1023				
GOLDSTAR	0084	0129	0003	0009	0019	0051	0131	0169
	0171	0261	0012	0093				
GOODMANS	0009	0111	0002	0004	0027	0169	0028	0051
	0068	0115	0127	0171	0245	0283	0093	
GORENJE	0083							
GPM	0011							
GRAETZ	0141	0142	0021					
GRANADA	0127	0019	0003	0006	0169		027	0031
	0051	0054	0004	0064	0133	0138	0128	0040
	0043	0123						
GRANDIN	0009	0169	0011	0245	0120			
GRUNDIG	0117	0091	0114	0101	0135	0008	0017	0136
	0043							

H

H & B	0343	0228						
HB	1003	0168	0095	0015	0042	1011		
HAAZ	0228							
HALIFAX	0002	0003						
HAMPTON	0003							
HANSEATIC	0009	0003	0027	0169	0051	0083	0118	0131
	0141	0007	0026					
HANTAREX	0009	0123						
HARWOOD	0171							
HCM	0002	0003	0009	0074	0120			
HIFIVOX	0139							
HINARI	0171	0009	0011	0027	0051	0006	0169	0248
	0043	0137						
HISAWA	0011	0113	0120					
HISENSE	0156							
HITACHI	0027	0019	0085	0134	0153	0213	0140	0144
	0003	0118	0004	0016	0023	0041	0045	0047
	0131	0133	0138	0139	0141	1013	0021	0046
	0033	0123	0142					
HORNYPHON	0051							
HOSHAI	0011							
HUANYU	0003	0115						
HYGASHI	0003							
HYPER	0003	0009	0129	0131				
HYPSON	0002	0003	0051	0169	0120			
HYUNDAI	1010							

I

ICE	0009	0002	0003	0011	0051	0068		
IMPERIAL	0047	0051	0083	0129	0131	0021	0043	

INDESIT	0024	0101						
INDIANA	0051	0169						
INGELEN	0021							
INGERSOL	0009							
INNO HIT	0009	0011	0003	0004	0051	0169	0245	0093
	0123							
INNOVATION	0171	0111	0002	0009	0169	0061	0067	0068
	0103	0107	0115	0154	0168	0177	0248	0291
INTERBUY	0009	0129	0109					
INTERFUNK	0051	0129	0169	0139	0141	0000	0021	
INTERTRONIC	0894							
INTERVISION	0002	0003	0014	0109				
IRRADIO	0009	0011	0051	0169	0068			
ISUKAI	0011							
ITC	0003	0131						
ITS	0011	0051	0068	0120				
ITT	0061	0009	0143	0031	0133	0141	0021	0142
	0132							
ITT/NOKIA	0133	0142	0021					
ITV	0169	0171	0009	0088	0245			

J

JEC	0164			
JVC	0051	0053	0027	0068

K

KAISUI	0009	0011	0003	0120	
KAMOSONIC	0003				
KAMP	0003				
KAPSCH	0157	0021			
KARCHER	0169	0003	0009	0016	0037
KENDO	0019	0014	0028	0108	0245
KENNEDY	0131	0157			
KINGSLEY	0003				
KING TV	0015				
KNEISSEL	0174				
KOLSTER	0051				
KONKA	0047	0068	0229	0011	
KORPEL	0051	0169			
KORTING	0000				
KOYODA	0009				
KTV	0003				
KURO	0121				
KYOTO	0037				

L

LENCO	0009	0245
LENOIR	0003	0009
LESA	0129	

LEYCO	0169	0002	0004	0051	0026			
LG	0084	0119	0129	0149	0019	0003	0051	0088
	0131	0169	0171	0009	0261	0093		
LIESENK	0169							
LIFE	0002	0009	0061	0067	0068	0103	0107	0111
	0115	0154	0168	0169	0171	0177	0205	2910
LIFETEC	0177	0038	0171	0002	0009	0206	0205	0207
	0208	0210	0211	0169	0015	0042	0044	0047
	0048	0049	0061	0063	0067	0068	0087	0103
	0107	0115	0127	0154	0155	0168	0170	0185
	0228	0229	0209	0218	1005	0894	0343	0924
	0933	0248	0291					
LOEWE	0097	0098	0051	0169	0000			
LOGIK	0030							
LUMA	0019	0169	0141	0157				
LUMATRON	0002	0171	0019	0088	0051	0074	0169	0107
	0141	0157	0245					
LUX MAY	0051							
LUXOR	0141	0019	0047	0003	0077	0138	0093	0132

M

M+P	0133							
MAGNADYNE	0014	0129	0131	0169	0000	0123		
MAGNAFON	0003	0014	0043	0123				
MAGNUM	0002	0111	0009	0169	0171	0061	0067	0068
	0103	0107	0115	0154	0168	0177	0200	0291
MANDOR	0002							
MANESTH	0002	0169	0003	0028	0051			
MARANTZ	0051	0169						
MARELLI	0000							
MARK	0051	0169						
MATSUI	0173	0099	0091	0027	0180	0028	0147	0003
	0004	0009	0019	0051	0068	0101	0164	0169
	0248	0113	0123	0013	0062	0026	0030	
MATSUSHITA	0065							
MCMICHAEL	0041							
MEDIATOR	0051	0169						
MEDION	0177	0038	0171	0002	0009	0206	1015	0200
	0205	0207	0208	0210	0211	0169	0015	0042
	0044	0047	0048	0049	0061	0063	0067	0068
	0087	0103	0107	0115	0127	0148	0154	0155
	0168	0170	0185	0228	0229	0209	0218	1005
	0894	0343	0924	0933	0248	0291	1014	
MELECTRONIC	0009	0016	0169	0018	0003	0036	0051	0068
	0110	0115	0139	0021	0109			
MEMOREX	0009	0920						
MEMPHIS	0004	0009						
METZ	0201	0135	0151	0152	0000	0075		
MICROMAXX	0177	0038	0171	0002	0009	0206	0200	0205
	0207	0208	0210	0211	0169	0015	0042	0044
	0047	0048	0049	0061	0063	0067	0068	0087
	0103	0107	0115	0127	0154	0155	0168	0170
	0185	0228	0229	0209	0218	1005	0894	0343
	0924	0933	0248	0291				

MICROSTAR	0177	0038	0171	0002	0009	0206	0200	0205
	0207	0208	0210	0211	0169	0015	0042	0044
	0047	0048	0049	0061	0063	0067	0068	0087
	0103	0107	0115	0127	0154	0155	0168	0170
	0185	0228	0229	0209	0218	1005	0894	0343
	0924	0933	0248	0291				
MINERVA	0017	0101	0135					
MINOKA	0051							
MITSUBISHI	0000	0027	0030	0051	0054	0057	0060	0098
	0101	0135	0205					
MIVAR	0055	0083	0003	0093	0123	0043		
MOTION	0043							
MT LOGIC	0090	1062						
MTC	0132							
MULTI SYSTEM	0169							
MULTITECH	0003	0009	0014	0019	0169	0027	0045	0129
	0131	0043						
MURPHY	0003	0133	0018					

N

NAD	0141							
NAIKO	0099							
NAONIS	0019	0108						
NATIONAL	0064	0101						
NEC	0185	0027	0056					
NECKERMANN	0003	0169	0008	0019	0022	0051	0083	0118
	0132	0000						
NEI	0051	0068	0169	0113				
NESCO	0129							
NEW WORLD	0011							
NEWTECH	0009	0051						
NICAMAGIC	0003							
NIKKAI	0002	0003	0164	0004	0011	0051	0169	
NOBLIKO	0003	0014	0043					
NOGAMATIC	0139							
NOKIA	0061	0143	0063	0141	0077	0133	0031	0021
	0132	0142						
NORDMENDE	0111	0127	0036	0045	0051	0126	0139	0046
	0000	0021	0024					
NORDVISION	0169							

O

OCEANIC	0141	1011	0142	0021	1089			
OKANO	0083							
ONCEAS	0003							
ONWA	0069							
ORBIT	0051							
ORION	0099	0147	0159	0009	0212	0028	0051	0154
	0169	0171	0920	0248	0283	0123	0142	0030
	0013	0062						
	0075	0026						

ORMOND	0205							
OSAKI	0011	0002	0003	0004	0074			
OSO	0011							
OSUME	0004	0029						
OTTO VERSAND	0003	0169	0008	0001	0027	0051	0076	0111
	0118	0131	0139	0141	0120	0121	0132	

P

PACKARD BELL	0204	0203						
PAEL	0003							
PALLADIUM	0003	0083	0012					
PANAMA	0002	0003	0009					
PANASONIC	0065	0067	0064	0197	0072	0186	0101	0141
	0021	0151	0142	0124	0152			
PATHE CINEMA	0003	0083	0131	0037				
PATHE MARCONI	0022	0045	0126	0139	0037	0046		
PAUSA	0009							
PERDIO	0004							
PHILCO	0047	0129	0131	0000	0043			
PHILHARMONIC	0003							
PHILIPS	0200	0088	0217	0202	0020	0169	0003	0041
	0181	0339	0051	0083	0111	0115	0131	0141
	0154	0000	0043	0089				
PHOCUS	0042	0095	1064					
PHOENIX	0051	0169	0000					
PHONOLA	0051	0169	0000					
PIONEER	0010	0145	0036	0051	0139	0169	0021	
PLANTRON	0002	0051						
POPPY	0009							
PORTLAND	0245							
PRANDONI-PRINCE	0019	0141	0123					
PRECISION	0003							
PRIMA	0009	0021						
PRINZ	0047							
PRO2	0177	0038	0171	0002	0009	0206	0200	0205
	0207	0208	0210	0211	0169	0015	0042	0044
	0047	0048	0049	0061	0063	0067	0068	0087
	0103	0107	0115	0127	0154	0155	0168	0170
	0185	0228	0229	0209	0218	1005	0894	0343
	0924	0933	0248	0291				
PROFEX	0009	0141	0043					
PROFILO	0171							
PROFI-TRONIC	0051							
PROLINE	0004	0051	0062					
PROSONIC	0161	0169	0003	0015	0042	0088	0107	0200
	0068	0245						
PROTECH	0002	0003	0009	0169	0014	0051	0129	0131
	0132	0113						
PROVISION	0169	0171	0015					
PYE	0169	0051	0068					
PYMI	0009							

Q

QUASAR	0129							
QUELLE	0169	0205	0002	0003	0016	0022	0051	0129
	0131	0135	0141	0017	0018	0026	0030	
QUESTA	0027							

R

RADIOLA	0051	0169						
RADIOMARELLI	0129	0000	0123					
RADIONETTE	0016	0018						
RADIOTONE	0051	0007						
RANK	0017	0027						
RBM	0017							
RCA	0031							
REDIFFUSION	0141							
REVOX	0051	0169						
REX	0019	0002	0108	0157	0021			
RFT	0000	0007						
R-LINE	0051	0169						
ROADSTAR	0002	0009	0011	0245				
ROBOTRON	0000							
RTF	0000							

S

SABA	0127	0111	0126	0036	0045	0139	0141	0245
	0142	0046	0000	0123	0021			
SACCS	0037							
SAISHO	0028	0002	0003	0009	0248	0030	0123	0013
SALORA	0019	0031	0047	0061	0107	0108	0118	0131
	0138	0141	0093	0121	0128	0132	0021	
SAMBERS	0014	0169	0043	0123				
SAMSUNG	0090	0104	0009	0051	0172	0083	0002	0160
	0003	0004	0312	0030	0105	0093		
SANDRA	0003	0009						
SANSUI	0051	0920						
SANYO	0004	0006	0031	0003	0027	0016	0018	0083
	0127	0160	0131	0029	0030	0040	0043	
SAVILLE	0248							
SBR	0041	0169						
SCHAUB LORENZ	0141	0021	0142	0205	1003	0168	0095	0015
	0042	1011						
SCHNEIDER	0177	0003	0169	0011	0051	0068	0131	0139
	0160	0245	0264	0071	0125			
SCHWAIGER	1024							
SEG	0171	0002	0205	0003	0169	0009	0014	0027
	0088	0129	0131	1014	0043	0168		
SEI-SINUDYNE	0014	0013	0021	0026	0075	0123	0000	
SELECO	0019	0027	0131	0108	0157	0021		
SENCORA	0009							
SENTRA	0164							

SHARP	0001	0059	0005	0027	0187	0188	0029	
SHORAI	0026							
SIAREM	0014	0131	0000	0123				
SICATEL	0037							
SIEMENS	0008	0022	0200	0135	0029			
SIERRA	0051							
SIESTA	0160							
SILVER	0027							
SINGER	0014	0131	0129	0228	0000			
SINUDYNE	0014	0131	0169	0028	0000	0075	0013	0026
	0015							
SKANTIC	0138	0021						
SKYMASTER	0016							
SKYWORTH	0228							
SOLAVOX	0092	0021						
SONITRON	0006	0031						
SONOKO	0009	0002	0169	0003	0051	0245		
SONOLOR	0006	0021						
SONTEC	0051	0169	0160					
SONY	0165	0130	0183	0106	0076	0027	0127	0009
	0004	0182	0029	0030				
SOUND & VISION	0011	0014						
SOUNDWAVE	0051	0169						
STANDARD	0003	0009	0011	0051	0245			
STARLIGHT	0169							
STENWAY	0120							
STERN	0019	0157	0021					
SUNKAI	0009	0026	0062					
SUNWOOD	0009	0051						
SUPERLA	0003							
SUPERTECH	0118							
SUPRA	0009							
SUSUMU	0011							
SUTRON	0009							
SYDNEY	0003							
SYSLINE	0169							

T

TANDBERG	0157	0026						
TANDY	0001	0003	0004	0011	0133	0021		
TARGA	0185	1018	1003	1004				
TASHIKO	0003	0019	0027	0041	0056	0128		
TATUNG	0051	0003	0004	0169	0123			
TCM	0177	0038	0171	0002	0009	0206	1015	1017
	1119	0205	0207	0208	0210	0169	0042	0044
	0047	0061	0063	0067	0068	0103	0107	0115
	0127	0154	0168	0185	0211	0228	0209	1005
	0343	0924	0933	0248	0291			
TEC	0003	0009	0129	0131	0133			
TECHNICS	0065							

TECHNISAT	0154							
TECHNISSON	0042							
TELEAVIA	0022	0036	0045	0111	0126	0139		
TELEFUNKEN	0166	0111	0127	0190	0022	0035	0163	0101
	0102	0036	0050	0051	0052	0078	0108	0126
	0139	0079						
TELETECH	0169	0009	0088	0129	0113			
TELETON	0003	0157	0118	0132				
TENSAI	0011	0168	0018	0051	0026			
TESMET	0051							
TEVION	0177	0038	0171	0002	0009	0206	1015	0200
	0205	0207	0208	0210	0211	0169	0015	0042
	0044	0047	0048	0049	0061	0063	0067	0068
	0087	0103	0107	0115	0127	0154	0155	0168
	0170	0185	0228	0229	0209	0214	0218	1005
	1016	0894	0343	0924	0933	0248	0291	1064
TEXET	0003							
THOMSON	0166	0127	0111	0003	0022	0036	0045	0176
	0101	0102	0050	0051	0052	0126	0139	0163
	0185	0245	0046					
THORN	0004	0018	0169	0035	0054	0111	0127	0141
	0164	0037						
TOKAI	0004	0051						
TOKYO	0003							
TOMASHI	0120							
TOSHIBA	0117	0164	0189	0027	0146	0017	0920	0082
TOWADA	0131	0021						
TRIUMPH	0013	0123	0082					

U

UHER	0051	0157	0021	0043				
ULTRAVOX	0003	0014	0129	0131	0133	0000		
UNITED	0088	0169						
UNITED QUICK STAR	0245							
UNIVERSUM	0102	0002	0016	0018	0051	0061	0169	0083
	0110	0122	0129	0131	0143			
UNIVOX	0037							

V

VESTEL	0019	0051	0169	0171	0083	0092	0103	0107
	0118	0129	0131	0138	0168	0195	0205	0021
	1014							
VEXA	0169	0009						
VICTOR	0027	0051	0065					
VIDEO SYSTEM	0051							
VIDELOGIQUE	0011	0003						
VIDEON	0248							
VIDEOSAT	0129							
VISIOLA	0003							
VISION	0051							
VISOREX	0096							

VISTAR	0133				
VORTEC	0051	0169			
VOXSON	0019	0051	0108	0021	0043

W

WALTHAM	0003	0133	0138	0037	
WATSON	0051	0169			
WATT RADIO	0003	0014	0131	0037	
WEGA	0000	0027			
WELLTECH	0042				
WELTBlick	0051	0169			
WESTON	0131				
WHARFEDALE	0099				
WHITE WESTINGHOUSE	0169	0003	0014	0043	
WORLD OF VISION	1021				

Y

YAKUMO	1012					
YOKO	0009	0011	0051	0169	0002	0003
YORX	0011					

Z

ZANUSSI	0019	0157	0108		
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VCR

A

AIWA	0230	0233	0256	0293	0231	0248	0291	
AKAI	0300	0329	0307	0237	0236	0238	0239	0293
AKIBA	0275							
AKURA	0275	0244	0293					
ALBA	0275	0233	0250	0245	0248	0246	0247	
ALLORGAN	0311							
AMBASSADOR	0250							
AMSTRAD	0253	0231	0254					
ANITECH	0275							
APEX	0949							
ASA	0257	0256						
ASUKA	0275	0257	0231	0256				

B

BAIRD	0259	0231	0258	0245	0237	0293	
BASIC LINE	0275	0233	0250	0245			
BAUR	0263	0257					
BESTAR	0250	0245					
BLACK PANTHER LINE	0245						

BLAUPUNKT	0263	0257	0262	0260	0309	0325	0271
BONDSTEC	0250						
BRANDT	0303	0305					
BROKSONIC	0277	0967					
BUSH	0275	0233	0245	0248	0246	0247	0288

C

CATRON	0250						
CGE	0231	0293					
CIMLINE	0275	0233					
CINEVISION	0256						
CLATRONIC	0250						
COMBITECH	0248						
CONDOR	0250	0245					
CROWN	0275	0250	0245				
CYBERCOM	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291
CYBERMAXX	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291
CYTRON	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291

D

DAEWOO	0274	0250	0265	0319	0245	0971	
DANSAI	0275						
DANTAX	0233						
DAYTRON	0245						
DE GRAAF	0266	0257					
DECCA	0257	0231	0293				
DUAL	0233	0256	0257	0311	0262	0319	0293
	0291	0338	0905	0906			0248
DUMONT	0266	0257	0231	0258			

E

ELTA	0275			
EMERSON	0231	0256	0301	0339
ESC	0245			
ETZUKO	0275			

F

FERGUSON	0294	0259	0271	0278	0293	0281	0305
FIDELITY	0311	0231					
FINLANDIA	0266	0257	0258				
FINLUX	0266	0298	0257	0231	0258	0293	0237
FIRSTLINE	0266	0275	0233	0265	0298	0256	
FISHER	0258	0279					
FLINT	0233						
FORMENTI-PHEONIX	0257						

FRONTECH	0250							
FUJITSU	0231							
FUNAI	0231	0339						

G

GALAXY	0231							
GBC	0275	0250						
GEC	0257							
GELOSO	0275							
GENERAL	0250							
GENERAL TECHNIC	0262	0233	0311	0248				
GOLDHAND	0275							
GOLDSTAR	0231	0256						
GOODMANS	0275	0250	0259	0256	0231	0245	0283	0282
GO-VIDEO	0338	0367	0971					
GRAETZ	0258	0293						
GRANADA	0257	0266	0240	0258	0271			
GRANDIN	0275	0250	0256	0231	0245			
GRUNDIG	0273	0270	0263	0235	0243	0257	0260	0272
	0275	0286	0287	0290	0315	0271	0288	

H

HAAZ	0233							
HANSEATIC	0257	0256						
HCM	0275	0288						
HINARI	0275	0233	0248	0288	0301			
HISAWA	0233							
HITACHI	0266	0257	0268	0231	0293	0387		
HYPSON	0233	0275						

I

IMPEGO	0250							
IMPERIAL	0231							
INNO HIT	0250	0257	0275	0245				
INNOVATION	0233	0311	0262	0248	0291			
INTERBUY	0256							
INTERFUNK	0257	0258						
INTERVISION	0231							
IRRADIO	0275	0256						
ITT	0237	0293	0258	0292				
ITV	0256	0245						

J

JVC	0294	0295	0293	0400				
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K

KAISUI	0275						
KARCHER	0257						
KENDO	0233	0250	0265	0300	0245	0236	0237
KENWOOD	0293						
KORPEL	0275						

L

LENCO	0245						
LEYCO	0275						
LG	0231	0256	0261	0907			
LIFE	0291	0256					
LIFETEC	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291
LOEWE	0267	0325	0262	0257	0256	0271	
LOGIK	0275						
LUMATRON	0274	0245					
LUXOR	0298	0258	0237	0281			

M

MAGNASONIC	0258						
MAGNAVOX	0914	0285					
MAGNUM	0291						
MANESTH	0275	0265					
MARANTZ	0257	0271	0281	0299			
MATSUI	0233	0256	0248	0301			
MEDIATOR	0257						
MEDION	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291
MELECTRONIC	0231						
MEMOREX	0240	0256	0231	0258	0279		
MEMPHIS	0275						
METZ	0262	0263	0267	0273	0325	0271	
MICROMAXX	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291
MICROSTAR	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291
MIGROS	0231						
MINERVA	0263	0271					
MITSUBISHI	0298	0257	0289	0294	0231		
MULTITECH	0275	0250	0257	0231			
MURPHY	0231						

N

NATIONAL	0262	0260	
NEC	0294	0293	0299
NECKERMANN	0257	0293	0301

NEI	0257						
NESCO	0275						
NIKKAI	0250	0302					
NOKIA	0240	0300	0307	0258	0237	0292	0293
NORDMENDE	0294	0293	0303	0305			

O

OCEANIC	0240	0231	0293				
OKANO	0233	0300					
ORION	0234	0233	0304	0248	0283	0301	0246
ORSON	0231						
OSAKI	0275	0231	0256				
OTTO VERSAND	0257						

P

PALLADIUM	0275	0300	0256	0271	0293		
PANASONIC	0262	0267	0260	0314	0321	0325	0970
PATHE CINEMA	0301						
PATHE MARCONI	0293						
PENTAX	0266						
PERDIO	0231						
PHILCO	0299						
PHILIPS	0235	0257	0290	0315	0327	0286	0285
	0271	0293	0969				0242
PHONOLA	0257						
PIONEER	0294	0257	1084				
POLAROID	0949						
PORTLAND	0250	0245					
PRINZ	0231						
PRO2	0233	0311	0262	0269	0319	0256	0248
	0338	0905	0906				0291
PROFEX	0275						
PROLINE	0231	0288					
PROSONIC	0233	0245					
PYE	0257						

Q

QUARTZ	0258						
QUELLE	0257	0263	0258	0231	0271	0301	

R

RADIOLA	0257						
REX	0293						
RFT	0250	0257					
ROADSTAR	0275	0256	0245				

S

SABA	0324	0245	0281	0293	0303	0305		
SAISHO	0275	0233	0248	0301				
SALORA	0298	0258	0237	0292				
SAMSUNG	0311	0312	0338	0963				
SAMURAI	0250							
SANSUI	0294	0244	0293	0920				
SANYO	0284	0258	0279					
SAVILLE	0248							
SBR	0257							
SCHAUB LORENZ	0258	0237	0231	0293				
SCHNEIDER	0275 0245	0233	0265	0250	0257	0256	0231	0264
SEG	0275	0319						
SEI-SINUDYNE	0257							
SELECO	0293							
SENTRA	0250							
SETRON	0275							
SHARP	0240	0241	0328	0281				
SHINTOM	0275	0258						
SHIVAKI	0256							
SIEMENS	0263	0256	0258	0271				
SILVA	0256							
SILVERCREST	0256							
SINUDYNE	0257							
SOLAVOX	0250							
SONOKO	0245							
SONOLOR	0240							
SONTEC	0256							
SONY	0232 0402	0308	0309	0310	0313	0249	0251	0255
STANDARD	0245							
STRONG	0244							
SUNKAI	0233							
SUNSTAR	0231							
SUNTRONIC	0231							
SUNWOOD	0275							
SYLVANIA	0339	0231						

T

TAISHO	0233							
TANDBERG	0263							
TARGA	0256	0907						
TASHIKO	0240	0231						
TATUNG	0257	0231	0293					
TCM	0233 0291	0256 0338	0311 0905	0262 0906	0269	0319	0375	0248
TEC	0250							
TECHNICS	0262	0260						

TELEAVIA	0293							
TELEFUNKEN	0306 0305	0294	0324	0295	0323	0280	0293	0303
TENOSAL	0275							
TENSAI	0275	0231	0256					
TEVION	0233 0338	0311 0905	0262 0906	0269	0319	0256	0248	0291
THOMSON	0294 0305	0324	0295	0323	0326	0245	0242	0293
THORN	0258	0293	0301					
TIVO	0242							
TOKAI	0275	0256						
TONSAI	0275							
TOSHIBA	0320	0257	0265	0298	0319	0362	0293	
TOWADA	0275							
TOWIKA	0275							
TRIUMPH	0301							
TVA	0250							

U

UHER	0256							
UNITED QUICK STAR	0245							
UNIVERSUM	0290 0239	0235 0253	0263 0271	0257	0315	0256	0231	0237

V

VICTOR	0294	0295						
VIDEON	0233	0262	0311	0248				

W

WELTBlick	0256							
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Y

YAMISHI	0275							
YOKAN	0275							
YOKO	0275	0250	0256					

Z

ZENITH	0256							
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DVD

A

ACCOUSTIC SOLUTIONS	0383	0350						
AEG	0894	0333						
AFREEY	0386							
AIRIS	0357							
AIWA	0383	0377						
AKAI	0369	0333	0382	0350	0894			
AKASHI	0346							
ALBA	0384	0350	0381	0357	0370	0351		
ALL-TEL	0333							
AMES	0383							
AMSTRAD	0350							
AMW	1053	1054						
ANABA	0961							
ANSONIC	0356							
APEX	0921	0384	0357	0911	0390	0913	1083	0949
ARENA	0923							
ASPIRE	0952							
A-TREND	0347							
AUDIOSONIC	0382	1062						
AUDIOVOX	0942							
AXION	0942							

B

B & K	0978							
BAIER	0349							
BAZE	0357							
BEKO	1064							
BLACK DIAMOND	0350							
BLAUPUNKT	0384							
BLUE NOVA INTERNATIONAL		1051						
BLUE SKY	0373	0357	0350					
BOMAN	0894	0351						
BRANDT	0373	0360	0362					
BROKSONIC	0920	0967						
BUSH	0384	0382	0350	0381	0356			

C

CAMBRIDGE	0376							
CELESTIAL	0357							
CENTREX	0357							
CENTRIOS	0932	0951	0954	0955				
CENTRON	0932							
CENTRUM	0346	0926	0928	0350	0927			

CINETEC	0350							
CINEVISION	0375							
CLASSIC	0383							
CLATRONIC	0357	0894						
CMI	0923							
COBY	0332	0916	0946	0947	0357	1051	0948	
CONTEL	0894							
CRITERION	0344							
CROWN	0373	0382						
C-TECH	0341							
CURTIS	0950	0948						
CYBERCOM	0356	0930	0932	0330	0335	0339	0340	0341
	0342	0345	0352	0358	0371	0923	0375	0343
	0924	0933	0338	0334	0344	0664	0372	0373
CYBERHOME	0347	0912	0985	1075				
CYBERLINK	1101							
CYBERMAXX	0356	0930	0373	0932	0330	0335	0339	0340
	0341	0342	0345	0352	0358	0371	0895	0896
	0897	0898	0899	0900	0901	0902	0903	0904
	0923	0893	0959	1069	1070	1071	1067	1066
	1068	1117	1118	0905	0343	0924	0933	0375
	0906	0338	0372	0334	0344	0664	0894	
CYTRON	0356	0930	0373	0932	0330	0335	0339	0340
	0341	0342	0345	0352	0358	0371	0380	0895
	0896	0897	0898	0899	0900	0901	0902	0903
	0904	0923	0893	0959	1069	1070	1071	1067
	1066	1068	1117	1118	0905	0343	0924	0933
	0375	0906	0338	0372	0334	0344	0664	0894

D

DAEWOO	0353	0354	0965	0355	0347	0380	0925	0971
DANSAI	0351							
DAYTRON	0925							
DCE	0356							
DENON	0364	0389						
DENVER	0381	1051	0894					
DENZEL	0392							
DESAY	0958							
DIAMOND	0373	0341						
DIGIFRAME	0930							
DIGIHOME	0350							
DIGITOR	0382							
DIGITREX	0357							
DIGITRON	0386							
DIGIX	0962							
DIK	0356							
DISNEY	0339	0902						
DiViDo	0380							
DIVX	0375	0932						
DK DIGITAL	0356							
DMTECH	0351	0333						
DRAGON SYSTEMS	0356							

DUAL	0350	0356	0984	0383	0956	0373	0330	0335
	0337	0340	0392	0341	0342	0345	0352	0358
	0371	0923	0351	0333	0343	0338	0372	0334
	0344	0664	0375	0924	0933			
DURABRAND	0333	0375	0356	0933	1085	1086	1087	1088
DVD	1024	0929						

E

E-BENCH	0341							
ELTA	0365	0382	0894	0333				
ELTAX	1051							
EMERSON	0380	1057	0339	0375				
ENCORE	0386							
ENZER	0392							
ESA	0956							
EUROLINE	0894							

F

FARENHEIT	0960							
FERGUSON	0373							
FINLUX	0375	0357	0351					
FINTEC	0350							
FIRSTLINE	0373							
FISHER	0378							
FUNAI	0339							

G

GE	0384							
GERICOM	1064							
GOLDEN SPHERE	0341							
GOLDSTAR	0375	0907	0972					
GOODMANS	0373	0382	0350	0333	0351			
GO-VIDEO	0383	1059	1061	0338	0367	0971	0351	
GPX	0910							
GRADIENTE	0373							
GRAETZ	0392							
GRAN PRIX	0356							
GRANDIN	0357							
GRUNDIG	0385	0370	0380	0373	0378	0376	0350	0333

H

H & B	0350	0343						
HB	1089							
HAAZ	0341	0342						
HANSEATIC	0375	0351	0333					
HARMON/KARDON	0395							
HCM	0894							
HE	0383							

HITACHI	0367	0368	0392	0387	0350
HITEKER	0357				
HOHER	0356				
HOME ELECTRONICS	0383				
HOMITA	0934	0935	0936	0937	0938
HOYO	0392				
HYUNDAI	0351				

I

ILO	0959				
INITIAL	0384				
INTEGRA	0374				
INTERTRONIC	0893	0933	0894		

J

JATON	0392						
JBL	0395						
JDB	0383						
JVC	0361	1058	0362	0400	0964	0662	1072
JWIN	1076	1083					

K

KARCHER	0351							
KAWASHI	0333							
KENDO	0356	0923	0350					
KENNEX	0350							
KENWOOD	0393	0364						
KISS	0392							
KLH	0384							
KONKA	0908	0909						
KOSS	0358	0373						
L								
LASONIC	0341							
LAWSON	0341	0380						
LECSON	0376							
LENCO	0373	0350	0356					
LENOXX	0931	0346	0382					
LG	0375	0907	0972					
LIFE	0372	0373	1117	1118				
LIFETEC	0356	0930	0373	0932	0330	0335	0339	0340
	0341	0342	0345	0352	0358	0371	0895	0896
	0897	0898	0899	0900	0901	0902	0903	0904
	0923	0893	0959	1069	1070	1071	1067	1066
	1068	1117	1118	0905	0343	0924	0933	0375
	0906	0338	0372	0334	0344	0664	0894	
LIMIT	0341							
LINN	0336							
LITEON	0982	1056	1059	0959				
LODOS	0350							

LOEWE	0370	0375						
LOGIX	0351	0380						
LUMATRON	0332	0342	1051	0350	0383	0380		
LUXMAN	0367							
LUXOR	0350	0383						
M								
MAGNAVOX	0362	0379	0979	0980	0981	0370	0350	0914
MANHATTAN	0350	0380						
MARANTZ	1079	0370	0379	0981	0375	0362		
MARK	0350							
MASTEC	0335							
MATSUI	0373	0357	0350					
MAXDORF	0894							
MAXIM	0331	0350						
MBO	0396	0383	0382					
MEDION	0356	0930	0373	0932	0330	0335	0339	0340
	0341	0342		0345	0352	0358	0371	0351
	0895	0896	0897	0898	0899	0900	0901	0902
	0903	0904	0923	0893	0959	1069	1070	1071
	1067	1066	1068	1115	1116	1117	1118	0905
	0343	0924	0933	0375	0906	0338	0372	0334
	0344	0664	0894					
MEMOREX	0356	0339	0920					
MERIDIAN	0362							
METZ	0368	0350	0922					
MICROMAXX	0356	0893	0930	0373	0932	0330	0335	0339
	0340	0341	0342	0345	0352	0358	0371	0895
	0896	0897	0898	0899		0900	0901	0902
	0903	0904	0923	0959	1069	1070	1071	1067
	1066	1068	1117	1118	0905	0343	0924	0933
	0375	0906	0338	0372	0334	0344	0664	0894
MICROMEGA	0370							
MICROSOFT	0399							
MICROSTAR	0356	0930	0373	0932	0330	0335	0339	0340
	0341	0342	0345	0352	0358	0371	0895	0896
	0897	0898	0899	0900	0901	0902	0903	0904
	0923	0893	0959	1069	1070	1071	1067	1066
	1068	1117	1118	0905	0343	0924	0933	0375
	0906	0338	0372	0334	0344	0664	0894	
MINATO	0349							
MINERVA	0380							
MINTEK	0384							
MIRROR	0349							
MITSUBISHI	0350	0366						
MONYKA	0392							
MT LOGIC	1062							
MUSTEK	0383							
MxONDA	0373							
MYSTRAL	0356							

N

NAD	0375	0394						
NAKAMICHI	0398							
NEC	0375							
NEOTEK	0386							
NEUFUNK	0392							
NEVIR	0356							
NEXXTECH	0932	0954	0955	0956				
NORCENT	0332	0982	0944	0945	0948			
NORDMENDE	0356							
NORIKO	0349							

O

OCEANIC	1089							
OKANO	0349	0362						
OMNI	0382							
ONIX	0346							
ONKYO	0374	0975						
OPTIMUS	0368	0922						
ORION	0920	0335						
ORITRON	0373							

P

PACIFIC	0356	0350	0333					
PACKARD BELL	0939	0940	1101	1052				
PALSONIC	0357							
PANASONIC	0401	0364	0403	0970	0974			
PANDA	0351							
PHILIPS	0370 1128	0379 0969	0979 0339	0980	0981	0362	1080	1123
PHOCUS	1063	1064						
PHONOTREND	0916							
PIONEER	0368	0977	0922	0968	0976	1084		
POLAROID	0957	0949						
PORTLAND	0382							
PRINZ	0356							
PRISM	0335							
PRO2	0356 0341 0897 0923 1068 0372	0930 0342 0898 0893 0905 0334	0373 0345 0899 0959 0343 0344	0932 0352 0900 1069 0924 0664	0330 0358 0901 1070 0933 0894	0335 0371 0902 1071 0375	0339 0895 0903 1067 0906	0340 0896 0904 1066 0338
PROCASTER	0905							
PROLINE	0373	0357	0333	0376	0397			
PROSCAN	0399							
PROSON	0350							
PROSONIC	0332	0341	0349					
PROVISION	0381	1051						

Q

QUARTEK	1077				
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R

RADIONETTE	0375				
RAITE	0392				
RCA	0399	0384			
REDSTAR	0894				
RELISYS	0923	0895			
REOC	0341				
REX	0346				
ROADSTAR	0350	0383	0382		
RONIN	0397				
ROTEL	0361				
ROWA	0384	0922			
RTL	0923				

S

SABA	0373	0915	0360		
SAIVOD	0356				
SALORA	0375				
SAMPO	0341	0386	0923	0895	1051
SAMSUNG	0367	1050	0338	0963	0919
SANSUI	0341	0920			
SANYO	0350	0333	1060	0378	
SCAN	0380				
SCHAUB LORENZ	0894	1089			
SCHWAIGER	0349				
SCIENTIFIC LABS	0341				
SCOTT	0373	0357			
SEG	0350	0341	0392		
SHARP	0371	0394	1055	0350	
SHERWOOD	0391				
SHINCO	0384				
SHINSONIC	0384				
SILVA	0894				
SILVA SCHNEIDER	0356				
SILVERCREST	0341	1093	1090	1091	1092
SINGER	0341	0382			
SKYMASTER	0382	0383			
SM ELECTRONIC	0382	0383	0341		
SMART	0350	0380			
SONY	0363	0987	0988	0989	0402 0986
SOUNDMASTER	0341				
SOUNDMAX	0341				
SOUNDSTORM	0330				
SOUNDWAVE	0351				
STANDARD	0373				

STRONG	0350	
SUNGALE	0953	
SUPERVISION	0382	0383
SVA	0349	
SYLVANIA	0339	
SYNN	0341	

T

TANDBERG	0350							
TANGENT	1051							
TARGA	0375	1115	0959	0891	1117	0972	1094	1121
	1041	0907						
TCM	0356	0930	0373	0932	0330	0335	0339	0340
	0333	0341	0342	0345	0352	0358	0371	0923
	1119	0343	0924	0933	0338	0372	0334	0344
	0664							
TEAC	0368	0333	0341	0384	0375			
TECHNICS	0364	0399						
TECHNIKA	0356							
TECHWOOD	0394	0350	0370					
TECO	0923	0895						
TEDELEX	0382							
TELEDEVICE	1051							
TELEFUNKEN	0894	0333						
TELETECH	0350							
TENSAI	0373	0382						
TERAPIN	0943							
TEVION	0356	0930	0373	0932	0330	0335	0337	0339
	0340	0341	0342	0345	0352	0358	0371	0891
	0892	0895	0896	0897	0898	0899	0900	0901
	0902	0903	0904	0923	0966	0893	0959	1065
	1068	1069	1070	1071	1067	1066	1117	1118
	0890	0905	0343	0924	0933	0375	0906	338
	0917	0918	0372	0334	0344	0664	0894	1064
THETA DIGITAL	0368							
THOMSON	0360	0359	0399	1078				
TINY	1051							
TOKAI	0894	0392						
TOKIWA	0380							
TOSHIBA	0973	1110	1120	0362	0983	0920	1111	
TRANS-CONTINENTS	0356	1051						
TRANSONIC	0357							
TREDEX	0941							
TRUTECH	1075							

U

UMAX	0382			
UNITED	0333	0348	0357	0894
UNIVERSUM	0350	0375	0333	

V

VENTURER	0333			
VESTEL	0350			
VIETA	0380			
VOXSON	0383	0356	0382	

W

WALKVISION	0384			
WELKIN	0356			
WESTAR	0350			
WHARFEDALE	0376	0349	0341	0386
WILSON	0356			

X

X-BOX	0399			
XENIUS	0373	0358		
XLOGIC	0341			
XMS	0894			

Y

YAKUMO	0357	1083	0905		
YAMAHA	0364	0388	0979	0980	0370
YAMAKAWA	0397	0392	0382		
YUKAI	0383				

Z

ZENITH	0375	0907			
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CD

A

ADCOM	0848			
AIWA	0849	0850	0851	0751
AKAI	0853	0854	0855	
ALBA	0856			
ARCAM	0732			

B

BESTAR	0859			
BSR	0860			
BUSH	0661			

C

CARRERA	0663			
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CLASSIC	0807							
CONDOR	0860							
CYBERCOM	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				
CYBERMAXX	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				
CYTRON	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				

D

DENON	0665	0666						
DUAL	0843	0848	0664	0668	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0798	0801	0802
	0803							

E

E-BENCH	0811							
ELTA	0667	0668	0693	0694	0745			
EMERSON	0848	0859						

F

FISHER	0669							
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G

GENEXXA	0859	0671	0672	0673	0675	0676	0677	
GOLDSTAR	0663							
GOODMANS	0678	0679						
GRUNDIG	0680	0697	0698	0732				

H

HARMON/KARDON	0683							
HITACHI	0848	0685	0686					

I

INNOVATION	0730	0742	0743	0744	0745	0746	0747	
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J

JVC	0662	0687						
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K

KENWOOD	0669	0688	0689	0690	0762			
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L

LIFETEC	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				
LG	0663							
LINN	0732							
LUXMAN	0691							

M

MAGNUM	0730	0742	0743	0744	0745	0746	0747	
MARANTZ	0695	0732						
MATSUI	0696	0732						
MEDION	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				
MEMOREX	0848	0859	0677					
MERIDIAN	0732							
MICROMAXX	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				
MICROMEGA	0732							
MICROSTAR	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				
MISSION	0732							

N

NAD	0671	0733	0735	0736	0737 0800			
NAIM	0732							
NAKAMICHI	0699	0700						
NUVO	0866							

O

ONKYO	0840	0701	0702	0703	0785 0792			
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P

PANASONIC	0661	0705						
PHILIPS	0847	0706	0732					
PHILIPS CD-V	0840							
PIONEER	0673	0677	0753					
PRO2	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0818	0819				
PROTON	0732							

Q

QUAD	0732							
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R

REALISTIC	0848	0859	0675
ROADSTAR	0706	0708	
ROTEL	0732		

S

SABA	0848							
SAE	0732							
SAMSUNG	0768							
SANSUI	0847	0709	0710	0711	0732			
SCHNEIDER	0860	0732						
SCOTT	0859							
SHARP	0672	0712	0713	0714				
SHERWOOD	0782							
SILVERCREST	0811							
SINGER	0803							
SKYMASTER	0778							
SONY	0671	0716	0717	0718	0741	0748	0749	0750

T

TANDBERG	0732							
TCM	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0823	0824	0825			
TEAC	0795							
TECHNICS	0705	0721	0763	0787				
TELEFUNKEN	0848							
TEVION	0843	0664	0668	0674	0675	0694	0730	0742
	0743	0744	0745	0746	0747	0801	0802	0803
	0807	0809	0813	0814	0816	0818	0819	0821
	0822							
THEORIE & ANWENDING		0804						
THOMSON	0842	0848						
TOSHIBA	0722	0723						

U

UNIVERSUM	0732
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V

VECTOR RESEARCH	0663
VICTOR	0687

W

WELLTECH	0675	0694	0744	0811	0827	0828
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Y

YAMAHA	0712	0720	0725	0771
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SAT

A

AKAI	0552							
ALBA	0508	0562	0405	0407				
ALDES	0408	0409						
ALLSAT	0462	0410	0552					
ALLSONIC	0408	0428						
AMPERE	0422							
AMSTRAD	0584	0555	0541	0415	0416	0417	0419	
ANKARO	0408	0428	0424					
ANTTRON	0405	0407						
APOLLO	0405							
ARCON	0415	0422	1155	1144	1153	0424	0463	1154
ARMSTRONG	0419							
ASAT	0552							
AST	0435							
ASTON	0594	0406						
ASTRA	0429	0419	0431	0432	0502			
ASTRO	0428	0439	0569	0407	0409			
AUDIOTON	0462	0407						
AURORA	0602							
AUSTAR	0602	0643	0642					
AXIS	0428	0415	0432	0456				

B

BARCOM	0424							
BEST	0428	0424						
BLAUPUNKT	0439							
BOCA	0419	0502						
BRAIN WAVE	0444	1131						
BRANDT	0565	0566	0567	0574				
BSKYB	0584	0555						
BT SATELLITE	0574							
BUSH	0508	0562	0410					

C

CANAL SATELLITE	0569	0599						
CANAL+	0569	0599						
CHAPARRAL	0507							
CHESS	0547	0586						
CITYCOM	0508	0640	0459					
CLATRONIC	0444							
CLEMENS KAMPHUS	0491							
CNT	0409							

COLUMBUS	0477							
COMAG	0471							
COMMLINK	0408							
COMTECH	0456							
CONDOR	0428	0640						
CONNEXIONS	0438	0454						
CONRAD	0640	1156						
CONTEC	0456	0459						
COSAT	0462							
CROWN	0419							
CYBERCOM	0412	0413	0423	0428	0442	0493	0504	0511
	0514	0546	0566	0583	0586	0587	0618	0619
CYBERMAXX	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1138	1137					
CYTRON	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1138	1137					

D

DAERYUNG	0438							
DANSAT	0410							
D-BOX	0564	0604						
DECCA	0460							
DEW	0456							
DIAMOND	0461							
DIGIALITY	0640							
DISKXPRESS	0424	0454						
DITRISTRAD	0462							
DMT	0412							
DNT	0438	0552						
DRAKE	0557	0463						
DREAMBOX	0658							
DStv	0602							
DUAL	0412	0413	0423	0428	0493	0504	0511	0566
	0583	0586	0587	0618	0514			

E

ECHOSTAR	0640	0581	0586	0425	0481	0578	0579	0580
	0657	0659	0464	0465	0467			
EINHELL	0408	0417	0405	0419				
ELEKTA	0409							
ELTA	0428	0462	0405	0552				
EMANON	0405							
EMME ESSE	0428	0508	0491					
EMTECH	1162							
EP SAT	0508	0491						
E-TEK	1140							

EUROPHON	0640							
EUROSAT	0419							
EUROSKY	0428	0640	1156	0419				
EUROSPACE	0468							
EUROSTAR	0438	0419						
EVA	0588	0589						
EXATOR	0405	0407						
F								
FERGUSON	0508	0472	0603	0410	0473			
FIDELITY	0415	0417						
FINLANDIA	0508							
FINLUX	0508	0429	0608	0475	0480	0487		
FINNSAT	0603	0456						
FORCE	0577	0553	0535					
FORTEC STAR	0470							
FOXTEL	0602	0643	0584					
FRACARRO	0562							
FRANCE SATELLITE/TV	0477							
FREECOM	0405	0489						
FTE	0422	0496						
FUBA	0548	0439	0428	0438	0405	0424	0431	0477
	0480	0552						
FUNTACH	0587							
G								
GALAXIS	0428	0408	0462	0478	0484	0535	0582	0583
	0602	0619	0432	0456				
GALAXY	0424							
GLOBECAST	1141							
GLOBO	1156							
GMI	0419							
GOLDSTAR	0489							
GOODING	0483							
GOODMANS	0508							
GRANADA	0429							
GROTHUSEN	0405	0489						
GRUNDIG	0439	0436	0483	0495	0508	0544	0469	0602
	0584	0407	0550					
H								
HANDAN	0547	1167						
HANSEATIC	0504							
HANTOR	0444	0405						
HANURI	0409							
HB	1162	0413						
HELIOCOM	0422							
HIRSCHMANN	0439	0522	0547	0548	1156	1165	1174	0487
	0488	0491	0558					

HISAWA	0444							
HITACHI	0508	0537						
HOUSTON	0462							
HUMAX	0485	0517	0582					
HUTH	0408	0411	0444	0462	0419	0491		
HYUNDAI	0486							
I								
IMPERIAL	0562							
INNOVATION	0428	0493	0504	0511	0583	0586	0587	0618
INTERTRONIC	0419							
INTERVISION	0462							
IRDETO	0602							
ITT/NOKIA	0429	0508	0548	0454	0487	0537		
J								
JOHANSSON	0444							
JSR	0462							
JVC	0483							
K								
KATHREIN	0549	0617	0631	0607	0635	0439	0459	0496
	0507	0552						
KOSMOS	0489	0491	0496					
KR	0407							
KREISELMEYER	0439							
KYOSTAR	0405							
L								
LASAT	0428	0565	0566	0567	1156	1157	0409	0502
LENCO	0405	0489	0503					
LENG	0444							
LENNOX	0462							
LENSON	0479							
LG	0489							
LIFE	0583							
LIFESAT	0412	0413	0423	0428	0442	0493	0504	0511
	0514	0546	0566	0583	0586	0587	0618	0619
LIFETEC	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1138	1137					
LION	0468							
LORENTZEN	1156							
LORRAINE	0489							
LUPUS	0428							
LUXOR	0417	0429	0548	0537				

M

MACAB	0603							
MANHATTAN	0462	0508	0557	0633	0421	0409		
MARANTZ	0552							
MARMITEK	0641							
MARMITEK OCTOPUS	0655							
MASCOM	0409							
MASPRO	0483	0508	0507	0558				
MATSUI	0483	0574						
MB	0504							
MBOX	0442							
MEDIABOX	0569							
MEDIAMARKT	0419							
MEDIASAT	0569	0432						
MEDION	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1139	1138	1137	1181			
MEGA	0552							
METRONIC	0408	0575	0612	0613	0614	0615	0632	0409
	0424	0405						
0407								
METZ	0439							
MICRO TECHNOLOGY	0468							
MICROMAXX	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1139	1138	1137				
MICROSTAR	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1138	1137					
MINERVA	0483	0439						
MITSUBISHI	0508	0439	0574					
MITSUMI	0502							
MORETV	0644	0423	1130	1181				
MORGAN SYDNEY	0611							
MORGANS	0611	0419	0502	0552				
MULTICHOICE	0602							
MULTISTAR	0496							
MULTITEC	0586	0587						
MURATTO	0437	0489						

N

NAVEX	0444							
NEC	0509	0510						
NEUHAUS	0462	0479	0432					
NEXTWAVE	0414	0585						
NIKKO	0419							
NOKIA	0530	0564	0425	0429	0508	0548	0563	0531
	0454	0487	0604					

NOMEX	0622				
NORDMENDE	0549	0472	0508	0603	0405 0409
NOVIS	0444				

O

OAK	0424				
OCEANIC	0461	0468			
OCTAGON	0405	0407	0456		
OKANO	0419	0491	0496		
OPTEX	0462	0459	0656		
OPTUS	0602				
ORBIT	0435				
ORBITECH	0405				
ORIGO	0468				
OSAT	0407				
OTTO VERSAND	0439				

P

PACE	0584	0555	0439	0559	0527			
	0508	0410	0617					
PACIFIC	0461							
PALCOM	0479	0431	0477					
PALLADIUM	0483	0419						
PALTEC	0431							
PANASONIC	0584	0508	0542					
PANDA	0508	0410						
PANSAT	0490							
PANTECH	0591							
PBI	1138							
PHILIPS	0552	0436	0483	0493	0495	0508	0543	0434
	0569	0574	0605	0618	0455	0561	0550	0456
	0515	0604						
PHOENIX	0456							
PHONOTREND	0408	0462	0491	0652				
PINNACLE	0654							
PIONEER	0569							
POLSAT	0603							
POLYTRON	0459							
PREDKI	0444							
PREMIER	0569							
PREMIERE	0564	0462	0569	0542	0442	0604		
PREMIUM X	1134							
PRIESNER	0445	0419						
PRO2	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1138	1137					
PROFI	0503							
PROMAX	0508							
PROSAT	0408	0562						

PROTEK	0461
PROVISION	0409

Q

QUADRAL	0408	0428
QUELLE	0439	0417
QUIERO	0603	

R

RADIOLA	0552		
RADIX	0630	0438	0632
RAINBOW	0407		
REDIFFUSION	0510		
REDPOINT	0432		
REDSTAR	0428		
RFT	0408	0552	
RUEFACH	0503		

S

SAB	1137	1144	1145	1146	1147			
SABA	0472	0508	0543	0556	0562	0565	0571	0572
	0573	0574	0575	0409	0468			
SABRE	0508							
SAGEM	0570	0604	0599	0603	0648			
SAKURA	0456							
SALORA	0429	0527	0509	0520				
SAMSUNG	0426	0405						
SAT	0415	0435	0437					
SATCOM	0640	0504	0523					
SATEC	0508							
SATPARTNER	0444	0405	0407	0409	0489 0491			
SCHAUB LORENZ	1147	1162						
SCHNEIDER	0428	0455	0511	0583	0586	0587	0618	
SCHWAIGER	0411	0412	0413	0427	0430	0433	0440	0504
	0508	0516	0566	0573	0575	0576	0577	0582
	0514	0583	0585	0587	0598	0616	0630	0631
	0633	0635	1132	1133	1147	1152	1173	0459
SEEMANN	0438	0419	0432					
SEG	0428	0444	0504	0541	0631	0634	0405	
SELECO	0462							
SIEMENS	0439	1157						
SILVA	0489							
SKARDIN	0432	0586	0546	1160				
SKY	0584	1151						
SKY DIGITAL	0584	0555						
SKY+	0555							
SKYMASTER	0408	0504	0506	0546	0547	0586	0587	0588
	0589	0590	0591	0592	0621	1140	1138	1159
	1161	1160	1162	1167				

SKYMAX	0552							
SKYPEX	1156							
SKYVISION	0462							
SM ELECTRONIC	0408	0412	0504	0506	0546	0547	0586	0587
	0588	0589	0591	0621	1140	1138	0592	1159
	1161	1160	1162	1167				
SONY	0584	0569	0418	0446				
SR	0472	0419	0502					
STAR TRAK	0405							
STARLAND	0586							
STARRING	0444							
STRONG	0562	0428	0602	0545	0454	0489	0405	0407
SUMIDA	0419							
SUNSTAR	0527	0419	0502					

T

TANDBERG	0603							
TANDY	0407							
TANTEC	0508	0479	0477					
TARGA	1195							
TATUNG	0460							
TCM	0412	0413	0423	0428	0442	0493	0504	0511
	0514	0546	0566	0583	0586	0587	0618 0619	
TECHNIHALL	0416							
TECHNISAT	0438	0479	0569	0623	0528	0529		
TECHNOMATE	0441	1142						
TECO	0419	0502						
TELASAT	0640							
TELEFUNKEN	0560	0508	0565	0566	0567	0574	0405	
TELEKA	0438	0640	0407	0419				
TELEMASTER	0409							
TELESAT	0504							
TELESTAR	0479	0569						
TELEVES	0508	0610	0611					
TELEWIRE	0462							
TEVION	0412	0413	0423	0428	0442	0466	0478	0484
	0493	0504	0511	0514	0535	0546	0566	0583
	0586	0587	0618	0619	0644	0650	0652	0653
	1130	1140	1138	1137				
THOMSON	0472	0601	0570	0574	0492	0508	0560	0568
	0569	0603	0427	1156				
THORENS	0461							
THORN	0508	0410	0473					
TIOKO	0459							
TONBURY	0445	1159						
TONNA	0508	0462						
TOPFIELD	0497	0505	0506					
TPS	0570							
TPS PLATINUM	1178							
TRIAD	0435	0437	0533	0489				
TRIASAT	0480							

TRIAX	0439	0479	0565	0609	0619
TWINNER	0610	0611			

U

UNIDEN	0534				
UNISAT	0419	0456			
UNITOR	0444	0424			
UNIVERSUM	0439	0483	1156	0475	0487

V

VARIOSTAT	0439				
VECTOR	0468				
VENTANA	0552				
VIA DIGITAL	0568				
VIA SAT	0568				
VISIOSAT	0594	0444	0462	0586	0593
	0595	0596	0597		
VIVANCO	0536	0624			
VORTEC	0405				
V-TECH	0437	0435	0515	0537	

W

WEVASAT	0508							
WEWA	0508							
WINERSAT	0444							
WISI	0435	0437	0438	0439	0508	0533	0538	0539
	0540	0597						
	0625	0626	0627	0628	0629			
WITTENBERG	0415							
WOORISAT	0409							
WYSI	1156							

Z

ZEHNDER	0428	0437	0635	0541	0631	0632	0409	0424
	0496							
ZODIAC	0407							

DVD recorder

A

APEX	0911
ARENA	0923
ASPIRE	0952

B

BLUE NOVA INTERNATIONAL	1051
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C

CENTRIOS	0951						
CMI	0923						
COBY	1051						
CYBERCOM	0923						
CYBERHOME	0912						
CYBERMAXX	0895	0905	0906	0923	0959	1071	1117
CYTRON	0895	0905	0906	0923	0959	1071	1117

D

DENVER	1051
DUAL	0923

E

ELTAX	1051
EMERSON	1057

G

GO-VIDEO	0383	1059	1061
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H

HB	1089
HITACHI	0387

I

ILO	0959
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J

JVC	1058	1072
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K

KENDO	0923
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L

LG	0907						
LIFE	1117						
LIFETEC	0895	0905	0906	0923	0959	1071	1117
LITEON	1056	1059	0959				
LUMATRON	1051						

M

MAGNAVOX	0979	0980					
MEDION	0895	0905	0906	0923	0959	1071	1117
MICROMAXX	0895	0905	0906	0923	0959	1071	1117
MICROSTAR	0895	0905	0906	0923	0959	1071	1117
MUSTEK	0383						

O

OCEANIC	1089						
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P

PACKARD BELL	0940	1052					
PANASONIC	0403						
PHILIPS	0979	0980	1080	1128			
PHOCUS	1063						
PIONEER	0977	1084					
PRO2	0895	0905	0906	0923	0959	1071	
PROVISION	1051						

R

RTL	0923						
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S

SAMPO	1051						
SAMSUNG	1050						
SANYO	1060						
SCHAUB LORENZ	1089						
SHARP	1055						
SONY	0987	0988	0989				

T

TANGENT	1051						
TARGA	1115	0959	0891	1117	0907	1121	
TCM	0923						
TELEDEVICE	1051						
TEVION	0890	0891	0895	0905	0906	0923	0959
	1071	1117					1065
THOMSON	0360	0359	1078				
TINY	1051						

TOSHIBA	0973	0983	0362	1111
TRANS-CONTINENTS	1051			

Y

YAKUMO	0905			
YAMAHA	0979	0980		

Z

ZENITH	0907			
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DECODER

A

AUSTAR	0494			
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B

BMB	0636			
BT	0554			

C

CABLE AND WIRELESS	0606			
CABLECRYPT	0474			
CABLETIME	0448	0449	0450	
CANAL PLUS	0474			
CLYDE CABLEVISION	0452			
COMCRYPT	0474			
CRYPTOVISION	0458			

E

EURODEC	0603			
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F

FILMNET	0474			
FILMNET CABLECRYPT	0474			
FILMNET COMCRYPT	0474			
FOXTEL	0602			

G

GEC	0452			
GI	0494	0554		

I

IMPULSE	0554			
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J

JERROLD	0554	0494
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K

KABELVISION	0554
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L

LYONNAISE	1183
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M

MARMITEK	0636	
MELITA	0554	
MNET	0602	0474
MOTOROLA	0494	
MOVIE TIME	0551	
MULTICHOICE	0474	0602

N

NOKIA	0564			
NOOS	1143	1158	1175	1183
NTL	0606			
NUMERICABLE	0603			

O

OPTUS	0494
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P

PACE	0606	
PHILIPS	0487	
PIONEER	0518	0521
PVP	0554	

S

SAGEM	0604	
SAMSUNG	1148	
SCIENTIFIC ATLANTA	0524	0525
STS	0551	

T

TELE+1	0474	
TELEPIU	0474	
TELEWEST	0606	0554
THOMSON	1189	

U

UNITED	0554		
UPC	1143	1175	1184

V

VISIONETICS	1185		
VISIOSAT	0487		

LD

D

DENON	0252	0318	
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G

GRUNDIG	0318		
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M

MITSUBISHI	0318		
N			
NAD	0318		

P

PIONEER	0318		
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T

TELEFUNKEN	0318		
THORN	0322		

HDD-DVR

HDD-Digital-Video-Rekorder (Hard Disk Drive, DVR, PVR, etc)

A

AMSTRAD	0555		
ARCON	1144		

B

BSKYB	0555		
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C

CANAL SATELLITE	0599		
CANAL+	0599		
CONRAD	1156		

CYBERCOM	0412	0423	0514					
CYBERMAXX	0905	0412	0423	0514	0644	0653	1130	0959
	1071	1117						
CYTRON	0905	0412	0423	0514	0644	0653	1130	0959
	1071	1117						

D

DIGIFUSION	0647							
DMT	0412							
DREAMBOX	0658							
DUAL	0412	0423	0514					

E

ECHOSTAR	0659							
EUROSKY	1156							

F

FORCE	0553							
FORTEC STAR	0470							
FREEBOX	1182							

G

GLOBO	1156							
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H

HIRSCHMANN	1156							
HUMAX	0651							
HYUNDAI	0486							

I

ILO	0959							
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J

JVC	1072							
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L

LASAT	1156	1157						
LIFE	1117							
LIFESAT	0412	0423	0514					
LIFETEC	0905	0412	0423	0514	0644	0653	1130	0959
	1071	1117						
LITEON	0959							
LORENTZEN	1156							

M

MARMITEK OCTOPUS	0655							
MEDION	0905 1071 1115	0412 1139 1181	0423	0514	0644	0653	1130	0959
MICROMAXX	0905 1071 1117	0412 1139	0423	0514	0644	0653	1130	0959
MICROSTAR	0905 1071	0412 1117	0423	0514	0644	0653	1130	0959
MORETV	0644	1130	1181					

N

NEUF TELECOM	1196
NEUF TV	1196

P

PACE	0555	0453						
PACKARD BELL	1052							
PANASONIC	0403							
PHILIPS	0242	1128						
PHOCUS	1063							
PINNACLE	0654							
PIONEER	0977							
PRO2	0905 1071	0412	0423	0514	0644	0653	1130	0959
PROCASTER	0905							

S

SAGEM	0599	1143	1158					
SCHWAIGER	0412	0514	1132	1152				
SIEMENS	1157							
SKARDIN	1160							
SKY	1151							
SKY DIGITAL	0555							
SKY+	0555							
SKYMASTER	0506	1165	1159	1160				
SKYPEX	1156							
SM ELECTRONIC	0412	0506	1165	1159	1160			
SONY	0987	0988	0989					

T

TARGA	1115	1117	1195					
TCM	0412	0423	0514					
TEVION	0890 0959	0905 1065	0412 1071	0423 1117	0514	0644	0653	1130
THOMSON	0532	0242	0326	1156	1078			
TIVO	0242							

TONBURY	1159	
TOPFIELD	0506	
TOSHIBA	0983	1111

U

UNIVERSUM	1156	
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W

WYSI	1156	
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Y

YAKUMO	0905	
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TV/VCR (COMBOS)

A

AIWA	0248	0291
ALBA	0245	0248

B

BAIRD	0245	
BASIC LINE	0245	
BESTAR	0245	
BLACK PANTHER LINE	0245	
BUSH	0245	0248

C

COMBITECH	0248	
CONDOR	0245	
CROWN	0245	
CYBERCOM	0248	0291
CYBERMAXX	0248	0291
CYTRON	0248	0291

D

DAEWOO	0245	
DAYTRON	0245	
DUAL	0248	0291

E

ESC	0245	
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G

GENERAL TECHNIC	0248	
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GOLDSTAR	0261	
GOODMANS	0245	0283
GRANDIN	0245	

H

HINARI	0248	
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I

INNO HIT	0245	
INNOVATION	0248	0291
ITV	0245	

K

KENDO	0245	
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L

LENCO	0245	
LG	0261	
LIFE	0291	
LIFETEC	0248	0291
LUMATRON	0245	

M

MAGNUM	0291	
MATSUI	0248	
MEDION	0248	0291
MICROMAXX	0248	0291
MICROSTAR	0248	0291

O

ORION	0248	0283
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P

PORTLAND	0245	
PRO2	0248	0291
PROSONIC	0245	

R

ROADSTAR	0245	
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S

SABA	0245	
SAISHO	0248	
SAMSUNG	0312	
SAVILLE	0248	

SCHNEIDER	0245	0264
SONOKO	0245	
STANDARD	0245	

T

TCM	0248	0291
TEVION	0248	0291
THOMSON	0245	

U

UNITED QUICK STAR	0245
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V

VIDEON	0248
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TV/DVD (COMBOS)

TV-DVD combos operate with either a single DVD code or some require both TV & DVD codes.

A

AUDIOSONIC	1062 & 0090
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B

BEKO	1064
BROKSONIC	0920

C

CYBERCOM	0343 & 0228	0924 & 0210	0933 & 0228	
CYBERMAXX	0894	0343 & 0228	0924 & 0210	0933 & 0228
CYTRON	0894	0343 & 0228	0924 & 0210	0933 & 0228

D

DUAL	0343 & 0228	0924 & 0210	0933 & 0228	
DURABRAND	0933 & 0228	1085 & 1006	1085 & 1007	1086 & 1008
	1087 & 1008	1088 & 1009		

H

H & B	0343 & 0228
HB	1089 & 1011

G

GERICOM	1064
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I

INTERTRONIC 0894

L

LIFETEC 0894 0343 & 0228 0924 & 0210 0933 & 0228

M

MEDION 0894 0343 & 0228 0924 & 0210 0933 & 0228
MEMOREX 0920
MICROMAXX 0894 0343 & 0228 0924 & 0210 0933 & 0228
MICROSTAR 0894 0343 & 0228 0924 & 0210 0933 & 0228
MT LOGIC 1062 & 0090

O

OCEANIC 1089 & 1011
ORION 0920

P

PHILIPS 0339 & 0181
PHOCUS 1064
PRO2 0894 0343 & 0228 0924 & 0210 0933 & 0228

S

SANSUI 0920
SCHAUB LORENZ 1089 & 1011

T

TCM 0343 & 0228 0924 & 0210 0933 & 0228 1119
TEVION 0894 0343 & 0228 0924 & 0210 0933 & 0228 1064
TOSHIBA 0920

DVD/VCR (COMBOS)

DVD-VCR combos operate with either a single DVD code or some require both DVD & VCR codes.

A

APEX 0949

B

BROKSONIC 0920 0967

C

CINEVISION 0375 & 0256

CYBERCOM	0338	0375 & 0256		
CYBERMAXX	0338	0896	0906	0375 & 0256
CYTRON	0338	0896	0906	0375 & 0256

D

DAEWOO	0971			
DUAL	0338	0375 & 0256		

E

EMERSON	0339 & 0231		0375 & 0256	
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F

FUNAI	0339 & 0231			
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G

GO-VIDEO	0338	0367	0971	
GOLDSTAR	0375 & 0256			

H

HITACHI	0387 & 0231			
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J

JVC	0400			
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L

LG	0907	0375 & 0256		
LIFETEC	0338	0896	0906	375 & 0256

M

MAGNAVOX	0914 & 0285			
MEDION	0338	0896	0906	0375 & 0256
MICROMAXX	0338	0896	0906	0375 & 0256
MICROSTAR	0338	0896	0906	0375 & 0256

P

PANASONIC	0970			
PHILIPS	0969 & 0285			
PIONEER	1084			
POLAROID	0949			
PRO2	0338	0896	0906	0375 & 0256

S

SAMSUNG	0338	0963	SANSUI	0920
SANYO	0378 & 0258			

SILVERCREST	0256
SONY	0402
SYLVANIA	0339 & 0231

T

TARGA 0	375 & 0256	0907	0375 & 1041
TCM	0338		
	0375 & 0256		
TEVION	0338		
	0896		
	0906		
	0375 & 0256		
TOSHIBA	0362		

Z

ZENITH	0375 & 0256
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DVB-T

DVB-T Terrestrial Digital Television (DTV, Freeview, iDTV, etc)

A

ALBA	0451	0646
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B

BUSH	0451	0032
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C

CANAL +	1177	
CYBERMAXX	0645	0650
CYTRON	0645	0650

D

DIGENIUS	0645
DIGIFUSION	0647
DIGIO2	1150
DMT	0412
DURABRAND	0526

E

ECHOSTAR	0657
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F

FREEBOX	1182							
FREEVIEW	0447	0451	0453	0457	0482	0512	0513	0519
	0526	0532	0600	0646	0647	0648	0649	0651

G

GERICOM	0443		
GOODMANS	0451	0526	
GOODWAY	1163	1164	
GRUNDIG	0512	1172	

H

HAUPPAUGE	0482		
HB	1011		
HITACHI	0526		
HUMAX	0651		

J

JVC	0526		
L			
LABGEAR	0513		
LIDCOM	0451		
LIFETEC	0645	0650	

M

MARMITEK OCTOPUS	0655		
MATSUI	0649	0526	0451
MEDION	0645	0650	
MICO	1135		
MICROMAXX	0645	0650	
MICROSTAR	0645	0650	

N

NOKIA	0519	0531	
NOOS	1183		

O

OCEANIC	1011		
OGGLE	1136		
ON-DIGITAL	0527	0531	0620
OPTEX	0656		

P

PACE	0453	0527	
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PACIFIC	0526	
PANASONIC	0072	0403
PHILIPS	0600	
PIONEER	0457	0620
PREMIERE	0600	0519
PRO2	0645	0650

R

REBOX	0476	
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S

SAGEM	0648	1143			
SCHAUB LORENZ	1011				
SCHWAIGER	0630				
SHARP	0059				
SKARDIN	0656				
SKYMASTER	0656	1165			
SM ELECTRONIC	0412	0656	1165	1163	1164
SONY	0447				

T

TCM	1017	1119			
TEVION	0645	0650			
THOMSON	0427	0532			
TOP-UP TV	0527	0531	0657		

Y

YUNG FU	1166	
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Auxiliary Set-Top Boxes

Web & Computer TV

BUSH	0039	
CYBERLINK	1101	
GERICOM	0443	
HAUPPAUGE	0482	1198
NOW TV	1186	
PACKARD BELL	1101	
PANASONIC	0542	
PINNACLE	1199	
PREMIERE	0542	
THOMSON	0603	

Media Receivers

SONY NETWORK MEDIA RECEIVER 0446

Scart Switch Boxes

COUNTRYMAN	1168
FUNK	1170
MARMITEK	0641
SKARDIN	1169
VIVANCO	0684

Digital Set Top Boxes

ECHOSTAR	0657		
TEVION	0650	0645	0423
YUNG FU	1166		

Misc. Set Top Boxes

PARDY LIGHT BOX	1171
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HTIB (Home Cinema Systems, DVD & AUDIO)

Home Cinema Systems operate with either a single DVD code or some require both DVD & AUDIO codes.

A

AIWA	0377
AMW	1054

C

CENTRUM	0927					
COBY	0948					
CRITERION	0344 & 0775					
CURTIS	0948					
CYBERCOM	0334	0372	0344 & 0775			
CYBERMAXX	0334	0372	0344 & 0775	1069	1066	1118
CYTRON	0334	0372	0344 & 0775	1069	1066	1118

D

DUAL	0334	0372	0344 & 0775
DURABRAND	0375		

F

FISHER	0378
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J

JVC	0662	0964				
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K

KOSS	0373					
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L

LENOXX	0931					
LG	0972					
LIFE	1118					
LIFETEC	0334	0372	0344 & 0775	1069	1066	1118

M

MEDION	0334	0372	0344 & 0775	1069	1066	1118
MICROMAXX	0334	0372	0344 & 0775	1069	1066	1118
MICROSTAR	0334	0372	0344 & 0775	1069	1066	1118

N

NORCENT	0948					
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O

ONKYO	0975					
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P

PANASONIC	0974					
PIONEER	0968	0976				
PRO2	0334	0372	0344 & 0775	1069	1066	

S

SAMSUNG	0919					
SONY	0986					

T

TARGA	0972	1041				
TCM	0334	0344 & 0775				
TEVION	0334	0372	0892	0917	0918	0344 & 0775
	1066	1118				1069

AUX

Audio Amplifiers/Tuners/Receivers

CENTRUM	0692						
CRITERION	0775						
CYBERCOM	0841	0775	0776				
CYBERMAXX	0841	0775	0776				
CYTRON	0841	0775	0776				
DENON	0779	0781					
DUAL	0841	0775	0797				
ELTA	0667	0668					
GRUNDIG	0697	0698	0727				
HARMON/KARDON	0682						
KENWOOD	0761						
LIFETEC	0841	0775	0776				
LINN	0857						
MARANTZ	0727						
MEDION	0841	0775	0776				
MICROMAXX	0841	0775	0776				
MICROSTAR	0841	0775	0776				
NAD	0735	0736	0737	0738	0799	0800	
NUVO	0862	0863	0864	0865			
ONKYO	0785	0792	0793	0826			
PHILIPS	0846	0727					
PRO2	0841	0775	0776				
SANSUI	0727						
SCHNEIDER	0791						
SHERWOOD	0782						
SONY	0739	0740	0755	0757	0758	0759	0760
TCM	0841	0775	0776	0806			
TEAC	0794	0796					
TECHNICS	0764	0777	0788				
TEVION	0775	0776	0815	0817	0841		
THEORIE & ANWENDING			0805				
THOMSON	0842	0766					
XANTECH	0867						
YAMAHA 0	724	0752	0770	0771	0772		

Audio Tape Players

AIWA	0790	
DENON	0780	
GRUNDIG	0729	0698
HARMON KARDON	0681	
KENWOOD	0761	
MAGNAVOX	0729	
MARANTZ	0729	

NAD	0799		
ONKYO	0784		
PHILIPS	0729		
SANSUI	0729		
SHERWOOD	0783		
SONY	0754	0755	0756
TEAC	0794		
TECHNICS	0764	0777	0786
THOMSON	0842		
YAMAHA	0724	0772	

MINI Systems

AIWA	0773	0774						
CYBERCOM	0852	0858	0704	0745	0808	0810	0820	0819
CYBERMAXX	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
CYTRON	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
DUAL	0852	0858	0704	0745	0797	0820	0819	
E-BENCH	0811							
ELTA	0693	0745						
GRUNDIG	0707							
INTERTRONIC	0811							
LIFETEC	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
MEDION	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
MICROMAXX	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
MICROSTAR	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
PIONEER	0753							
PRO2	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
SAMSUNG	0768							
SHARP	0789							
SILVERCREST	0811	0829	0868					
SONY	0741							
TCM	0852	0858	0704	0745	0808	0810	0820	0819
	0694	0823		0824	0825			
TEVION	0852	0858	0704	0745	0808	0810	0811	0812
	0820	0819						
	0821	0822						
WELLTECH	0852	0810	0820	0819	0694	0803	0811	0827

Misc.

APPLE IPOD	0885
AUDIO COMBI	0844
CAR RADIO	0861
CDR 0847	0675

DBS	0845
iPOD	0884
SWITCH BOX	0684
VIDEO CD	0840

Code Searching by Brand Name

TV

- 1 MEDION / LIFETEC / MICROMAXX / MICROSTAR / TEVION / VIDEON / TCM / GENERAL TECHNIC / INNOVATION/MAGNUM
- 2 PHILIPS / ERRES / PYE / PHILCO / RADIOLA
- 3 SONY / AKAI / PANASONIC / SHARP / TOSHIBA / JVC / DAEWOO
- 4 THOMSON / BRANDT
- 5 TELEFUNKEN / SABA / NORMENDE / FERGUSON / BAIRD
- 6 GRUNDIG / BLAUPUNKT
- 7 NOKIA / FINLUX / ITT

VCR

- 1 MEDION / LIFETEC / MICROMAXX / MICROSTAR / TEVION / TCM / GENERAL TECHNIC / INNOVATION
- 2 PHILIPS / PHILCO
- 3 SONY / AKAI / PANASONIC / SHARP / TOSHIBA / JVC / DAEWOO
- 4 THOMSON / BRANDT
- 5 TELEFUNKEN / SABA / CORMENDE / FERGUSON
- 6 GRUNDIG / BLAUPUNKT
- 7 NOKIA / FINLUX / ITT

SAT

- 1 MEDION / LIFETEC / MICROMAXX / MICROSTAR / INNOVAATION / GALAXIS
- 2 PHILIPS / PHILCO
- 3 PACE / ECHOSTAR
- 4 THOMSON / UNIVERSUM / BRANDT
- 5 TELEFUNKEN / SABA / NORMENDE / FERGUSON
- 6 GRUNDIG
- 7 NOKIA / FINLUX / ITT / HIRSCHMANN